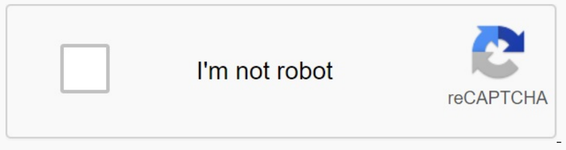
What does nfc mean on my android phone



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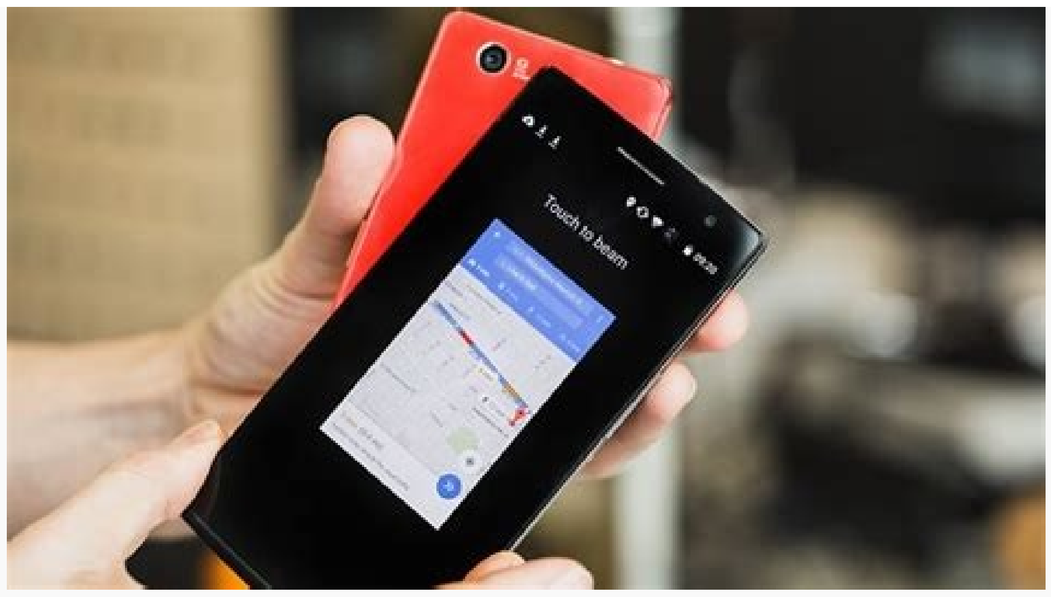
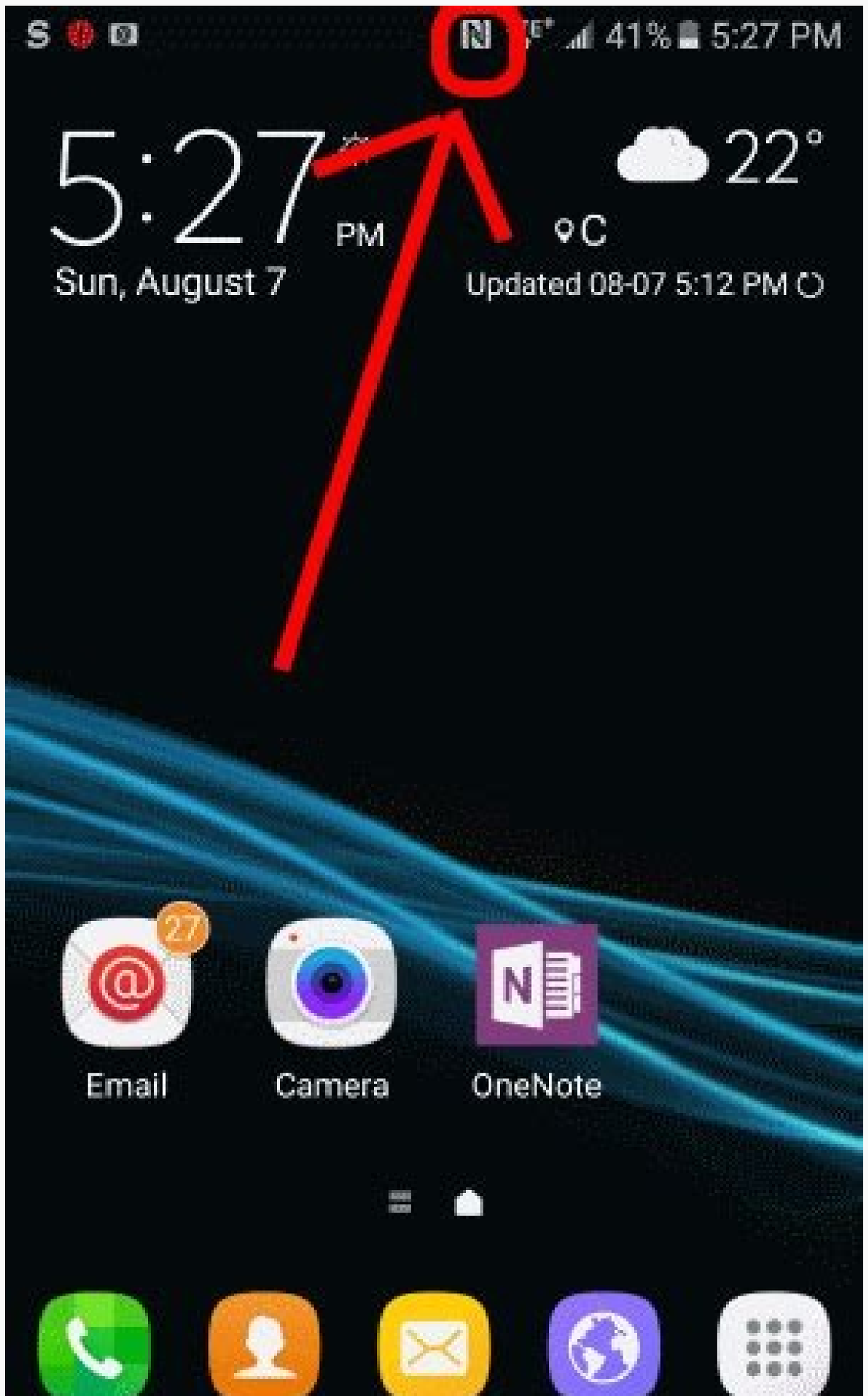

Touch to beam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BOSS MAGIC
Defeat
I'll use my magic to pool together
everyone's strength. We'll Be unstoppable!
229
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Close field communication (NFC) technology allows users to make safe transactions, replace digital content and connect electronic devices with a simple touch. NFC transmission has a small range (from touch to a few centimeters) and requires intimacy for the device. NFC is a contactless card technology, and the most common use of NFC on the smartphone is easily paid through Samsung Pay. The NFC can also be used to quickly connect to wireless devices and send data via Android Beam. Almost all smartphones and intelligent watches are currently equipped with NFC technology. Regardless of whether you know this or not, your phone's NFC scanner is probably active now. However, don't worry because your phone's NFC system is a passive scanner that doesn't do anything as you closer to another device or the NFC tag a few inches. Like many smartphone features, it works calmly in the background until it is needed, but it can also be used to unlock a wide range of cool features that can make your life easier. If you've ever used Apple Pay, Google Pay or Samsung Pay, you have already used NFC on your phone. However, the NFC can not only manage mobile payments. What is NFC and how does it work? Joe Mising/digital trends in NFC or near field communication is a technology that allows devices such as phones and smart watches to replace small databases with other devices and read maps equipped with NFC at a relatively short distance. NFC technology is very similar to radio identification (RFID), widely used in security maps and main rings you may already use to enter the office or in the gym. In fact, the NFC is RFID evolution that offers more advanced features and better security, but these two technologies still have much in common. The most important thing is that the NFC does not require a jump on the discs you are used to Bluetooth or Wi-Fi devices. There are no manual steaming steps, devices determining or managing passwords. All you have to do is place your smartphone about four inches from another NFC device; He must immediately determine it and be prepared for work. What can NFC do on my phone? Christine Romero-Chan / Digital Trends, as in most new technologies, had many early NFC applications that never developed. For example, Google came up with an Android ray ideaNear Field Communication (NFC) technology allows users to perform safe transactions, share digital content and connect electronic devices with a simple touch. The NFC transmission takes place on short distances (from a touch a few centimeters) and requires that the devices are close to each other. NFC is a contact technology for contact and very often NFC technology is used on your smartphone for easy payment with Samsung Pay. NFC can also be used to quickly connect to wireless devices and transfer data using Android Beam. Almost all modern smartphones and smartwatches are equipped with NFC technology. Whether you realize it or not, the NFC scanner of your phone is probably active right now. Don't worry, the NFC chip of your phone is a passive scanner that does nothing until you keep it a few centimeters from another device or from an NFC tag. Like many features of your smartphone, it works silently in the background until you need it, but it can also be used to unlock many interesting functions that can simplify your life. If you have already used Apple Pay, Google Pay or Samsung Pay, you have already used the NFC function on your phone. But NFC can do much more than just process mobile payments. What is the NFC and how does it work? Joe Maring/Digital Trends NFC (abbreviation of Near Field Communication) is a technology that allows devices such as phones and smartwatches to exchange small quantities of data with other devices and read NFC enabbated cards on relatively short distances. The technology at the base of the NFC is very similar to radio frequency identification (RFID) commonly used in safety cards and keychain that probably uses already to enter your office or gym. The NFC is in fact an ERFID evolution that offers more advanced features and greater safety, but the two technologies still have a lot in common. Perhaps the most important thing is that you don't have to do the mortal jumps that you could be used to NFC, Bluetooth or Wi-Fi devices. There are no manual association passages or identification for devices or passwords to manage. All you need to do is place your smartphone about four inches from another NFC device; It should immediately detect and be ready to go. What can NFC do on my phone? Christine Romero-chan/digital trends as for most of the new technologies, there have been many of the first applications for NFC who have never received the attention they deserved. For example, Google had the idea of Android Beam.Data between smartphones. But the company quickly realized that most people didn't want to keep their phones close to each other long enough to send photos and videos over the relatively slow NFC connection. It was replaced by fast sharing, later renamed nearby sharing, to use Bluetooth and Wi-Fi, which offered greater range and faster transfer speeds. As the initial excitement associated with built-in NFC in smartphones died down somewhat, companies began to focus on more practical applications that were better suited to this contactless technology. For example, payment cards and security tags have been using RFID for years, and since NFC was built on the same foundation, it's proved nearly ideal for integrating these features with smartphones and smartwatches. Mobile Payments Unsurprisingly, the most popular use of NFC is for mobile payment. While most of Europe and Canada already used physical contactless payment cards, the idea never really caught on in the US. So when Apple came out in 2014 with Apple Pay, it was nothing short of a revolution. To be fair, Google Mobile Payments actually predates Apple by several years, but the iPhone maker has pushed much harder to promote Apple Pay and condemn banks and credit card companies. As a result, mobile payments have started to grow very fast. Even in countries where contactless cards are common, Apple Pay and Google offer what physical cards can't: much better security and privacy. While anyone who picks up your physical credit or debit card can swipe it as easily as you, a mobile payment card requires your smartphone to be unlocked. This usually means entering a password or using a fingerprint scanner or facial recognition function. It also allowed merchants and banks to lift restrictions on verified mobile payments, as the risk of fraud from a stolen credit or debit card was lower. Today, mobile payments work from almost all modern smartphones that support Apple Wallet, Google Wallet or Samsung Pay, as well as with any Apple Watch Watch and many smartwatches are equipped with the operating system. In fact, Apple has been offering NFC mobile payments on its wearables since the launch of the first Apple Watch in 2015. Usually, you just hold your phone or watch next to the payment terminal.Then follow the instructions on the screen and confirm the process. Smartphones will require authentication using a password or biometric function; For advanced watches, you usually don't need this extra step as they can set that you still wear a clock and unlock it after the first installation. While NFC payments can be purchased by Google Wallet and Samsung Pay, Android smartphones and proper OS watches, these are not the only ways to make NFC payments. Bank programs can directly access NFC equipment to provide your mobile payment services. Unfortunately, this means that some financial institutions decide to follow this path, instead of taking a Google portfolio, which needs to open your own special programs when you want to pay. Jesse Hollington/Digital Trends Apple blocked the iPhone and NFC only using Apple Pay. Part Third Programs may continue to use NFC for other features, but they cannot be used for mobile payments. Apple and Google apps are not just for credit and debit cards. They can also store loyalty cards, tickets, transition cards and even public transport cards. While most of them still work with visible bar codes, some, such as public transport cards, can be used to pay the public transport terminal with the NFC, which means that bus or train entry is fast and easy. Or an intellectual clock. Accept credit payments and Apple's debit cards, NFC offers a two -connection connection as you can use a smartphone on a mobile terminal to accept credit payments and debit cards unrelated to contact. Third companies like Square offer mobile readers for several years, but no longer need to pay for the iPhone test for the latest touch of Apple. We haven't reached the point where you can use it to exchange money with friends and family, but this is a great feature that regularly install trading for small businesses and individual traders, especially as it grows. Travel to demonstrations and exhibitions or homes and customer offices. Complete Metrolinx transit cards, Apple and Google are working hard to integrate public transport cards into related mobile portfolio applications, not all public transport agencies are ready. Many of them still use physical cards that are incompatible with Apple or Google wallet. But some of themApplications allowing you to quickly top up a top-up card using your phone's NFC chip. These apps usually ask you to pay by credit or debit card the amount you want to add to your rate card. After confirmation, you will be asked to hold the physical recharge card on the back of the phone so that it can update the card with the new amount. In this case, your smartphone acts as a mobile version of the physical card-loading machines you find at transit stations, stopping during your ride to load more money onto your toll card. Digital driving licenses Björn Antonissen/Pplash Now that your smartphone's digital wallet can hold anything from cash cards to concert tickets, the only thing that really keeps you from leaving your physical wallet at home is the need to bring your employees with you. Diagnostic. Fortunately, this is slowly changing. Apple and Google have introduced secure digital ID card technology, and state governments are slowly adopting it. Of course, it's not just about bringing a physical image of your digital identity to your smartphone. There has to be a way for authorities to verify that identity, and the best way to do that is with an NFC reader. The technology is still in its infancy, but the US Transportation Security Administration (TSA) has NFC terminals at several airports that can read digital IDs from states that offer them. Even better, the technology lets you see exactly what information your identity requires and securely choose to share it through biometric authentication. With the full release of IDS digital support, you can provide your proof of age to retailers and venues without having to disclose other personal data such as address or phone number. Unlock doors to your home, office or hotel Schlage NFC can also be used to store digital keys that can open anything from your front door to a hotel room. You need a compatible smart lock for your home; However, most readers used in office campuses and hotels already use NFC. This means you'll soon be able to replace your security card with your smartphone or smartwatch, and if you're staying at one of the supported hotel chains, you can have your room key delivered directly to your device. You don't have to approach the reception. Authentication with securityThe safest method of authentication of two -and -and -and -and -auto -valves is the use of a physical safety key and it is even easier to do this using NFC. Instead of needing a key that is connected to a physical port, a challenge when Apple catches Lightning, you can take the NFC key and keep it at the end of the smartphone. It is ideal for using a two -valve key with everything from Gmail to Facebook and even better, most NFC 2FA keys act like USB keys, so you can still use them using desktops and laptops. Does not provide NFC support. So far, two NFC programs we discussed have been associated with different forms of payments and security. Although this becomes the most common NFC technology, many smartphone manufacturers apply these chips to help connect them to a smartphone with just one click. While Bluetooth mating becomes faster and lighter than ever, there are still a few steps that can be complex for each accessory and often differ. However, if your headphones or speakers have an NFC chip, you can click your smartphone to a suitable location and will be automatically tied. To clarify it, it does not turn on your smartphone on headphones or speakers via NFC; This would be impractical because the NFC has no scope or permeability to control sound flow. Instead, NFC is only used to speed up the usual Bluetooth mating process. Once it's done, your smartphone will contact Bluetooth because you have manually connected it to the attachment. In some cases, NFC chips can also be used to bind WIFI speakers or other devices such as intelligent home accessories. The same principle applies in any case: NFC uses the exchange of information needed to connect to the wireless network; The Wi-Fi connection follows. NFC chips for actually using NFC can also buy affordable NFC brands that can scan your smartphone and activate speed keys and other automation. While Apple develops this feature on the shortcut, Android users can contact third -party applications like Tasker. From these NFC brands you can get $ 30 for just $ 15. Help them strategically in your house or office and you will be able to adjust the focus modes, silence your phone, control intelligent home accessories and play your favoriteOr set the timers - by clicking on the sign. Hang a label on the nightstand to close the lights, lock the door and open the music before bedtime bed. Or add it to your table, stand for your smartphone to wake up automatically when you sit. You can also use NFC stands that allow visitors to access Wi-Fi in your home. Which phones do NFC? Christine Romero-Chan / Digital Trends List of NFC devices are growing day by day. In fact, it is probably easier to look at which phones do not support NFC today. However, if you want to be sure, NFC World usually keeps the current list of the most famous NFC phones. However, Basic is that it has NFC like any iPhone from the iPhone 6 on almost all modern Android devices. In any case, you will need a relatively latest Android or iOS version to take advantage of the latest NFC version. Options. For example, because it stops at iOS 12, it usually leaves the iPhone 6 in the cold; Apple had not even started to open the NFC until iOS 13, and more advanced features such as digital identities and switches require at least iOS 15. In the same way, even if Android 4.4 adds support from Google Pay, you will not be able to get the latest NFC. If you do not use at least Android 10. However, Android 10 and iOS 13 was released in 2019, and both of them can be launched on most smartphones since 2017. It should be able to offer full NFC support for six years. NFC, Bluetooth, RFID, UWB Phil Nickinson / Digital Trends NFC are only one of many short -range wireless technologies and so many that it is clear to follow. Fortunately, everyone serves a different purpose, so you don't need to be afraid of choosing between them. You are probably familiar with Bluetooth. For smartphones, it is often used to connect headphones and speakers, but it is also used to support wireless keyboards and mice on many laptops and computers, especially on laptops. Bluetooth provides much more bandwidth than NFC for traces measured by traces instead of inch. The Bluetooth sound usually works at 3 to 30 fit away, and Bluetooth can communicate at low energy (BLE) at a distance of 30 fit or more. RFID is the pioneer of NFC, but mostly not available on electronic devices. RFID is still usedmany security cards and key fobs due to lower costs. It is also commonly used in warehouses for inventory management as it provides greater range and the ability to read multiple labels simultaneously. Unlike NFC, RFID only supports one-way communication from tag to reader and cannot store much information. Next comes the innovation: Ultra Wideband (UWB). Although still in its infancy, UWB promises to offer a less tactile alternative to NFC. The most common places where UWB is currently used are tracking beacons and digital car keys. For example, with Apple's AirTags, UWB helps you find out which seat you have your keys stored under, while BMW's Digital Car Key Plus allows you to safely unlock and start your car without taking your phone out of your pocket. Original NFC car key app that requires the phone to be held against the car door and placed in a specific position on the car console. Should I disable NFC on my phone? Joe Maring/Digital Trends NFC is primarily a passive technology. Mathematically it consumes very little battery life and actually has zero processing power unless you are using another NFC device. You don't have to worry about privacy issues either, as NFC doesn't transmit any personal information unless you explicitly allow it, and mobile payments are fully encrypted. Finally, although the NFC chip has a unique identifier, it is not directly linked to your identity - only with your device - and your phone must be within 4 inches of it for someone to read it. In other words, turning off NFC doesn't really gain you anything. However, you might consider disabling it if it interferes with other things. For example, if you don't use Google Wallet or Samsung Pay and you keep your phone in your wallet case, your phone will turn on when you come within an inch of a payment terminal or ... an NFC card reader. toll station. . This won't be a problem, but it can be annoying if you want to use your cards directly from the wallet case. Either way, this is a moot point if you have an iPhone, as Apple doesn't offer an option to disable NFC. This feature is always enabled, although Apple limits its activation to certain situations.B. If you hold your iPhone close to a mobile payment terminal or NFC tag that has already been programmed to recognize your phone. In other cases, it must be activated manually, for example by reading the NFC security key or topping up a tariff card. Publisher Recommendations