

= E = MC <sup>2</sup> ( Mariah Carey album ) =

E = MC <sup>2</sup> is the eleventh studio album by American singer and songwriter Mariah Carey . It was released in the United States on April 15 , 2008 by Island Records . The singer began recording the album in 2007 in Anguilla , after writing and composing most of its material during and after her 2006 Adventures of Mimi Tour . Carey worked with several notable songwriters and producers during the course of the project , including Jermaine Dupri , Bryan @-@ Michael Cox , Stargate , The @-@ Dream , Tricky Stewart , Scott Storch and Danja .

The album revealed a more personal side of the singer , illustrated in its declarative theme of emancipation from her previous marriage , and from her personal and professional setbacks . Although it shared similar vocal production as well as an inclination to her signature pop and R & B ballads , the album also encompassed a variety of dance @-@ oriented and uptempo styles . It was meant to be a continuation , or a second part of her tenth studio album , The Emancipation of Mimi ( 2005 ) . Carey collaborated with a number of artists on the album , including T @-@ Pain , Damian Marley and Young Jeezy . Though considered by critics very similar to the formula its predecessor had been built on , E = MC <sup>2</sup> included other genres she had never explored , such as reggae , and her continued recording of gospel @-@ influenced hymns .

E = MC <sup>2</sup> was generally well received by music critics , with many complimenting the record 's broad genre influences , and musical and production styles . Some critics , however , felt that the album was too similar to The Emancipation of Mimi , and didn 't offer anything new from the formula . The album debuted at number one on the US Billboard 200 with opening week sales of 463 @,@ 000 copies ; the highest first @-@ week sales of Carey 's career . It opened inside the top @-@ five on the albums chart in Australia , Canada , Switzerland and the United Kingdom . The album achieved worldwide sales of over 2 @.@ 5 million copies .

Four singles were commission in promotion of the album . The album 's lead single , " Touch My Body " , became Carey 's eighteenth chart topper on the Billboard Hot 100 , making her the solo artist with the most number one singles in United States history , surpassing the record held by Elvis Presley . Additionally , it gave Carey her 79th week atop the chart , tying Presley for most weeks at number one . It achieved strong worldwide charting , peaking within the top five of the singles charts in Italy , Japan , New Zealand , Switzerland and the United Kingdom . " Bye Bye " served as the album 's second release . Although hailed by critics , and expected to have achieved large commercial success , the song stalled at number nineteen on the Hot 100 , and managed to chart weakly internationally . Both the third and fourth singles , " I 'll Be Lovin ' U Long Time " and " I Stay in Love " failed to garner success in any prominent music market .

= = Background and recording = =

In 2005 , Carey signed a new record deal with Island Records and released her tenth studio album , The Emancipation of Mimi . It became the best @-@ selling album of 2005 the United States , and the second best @-@ seller around the world , with over 12 million units sold . It earned a myriad of music industry awards , and brought Carey back to the top of pop music following her commercial decline in 2001 . After completing The Adventures of Mimi Tour , she began working on material for her eleventh studio effort , the yet untitled E = MC <sup>2</sup> . E = MC <sup>2</sup> was hailed as one of the most anticipated albums of 2008 , with many critics weighing their opinions on whether Carey would be able to deliver significant success , following her achievements with The Emancipation of Mimi . Carey began writing and producing the music she saw fit , and not anything to please record executives . Throughout 2007 , Carey recorded the album in a studio built into her private villa in Anguilla , in the Caribbean . She describe E = MC <sup>2</sup> as one of her most expressive albums , and one that she felt free on , and able to express herself through her music . In an interview with The Bryan Times , Carey spoke of her sentiments on the album " It 's hard for me to sit here and talk about it without sounding like if I 'm bragging if I 'm in love with it , but I am I love with this album . I think that having the success with the last record allowed me to have more freedom ... and just make records that I like . Its kind of a really fun record .

= = Delays and release = =

The album was supposed to be released in late 2007 , but Carey spoke about reason the album got delayed : " You can 't really put records out in December if you want the whole world to have a chance to actually hear it , [ and ] my fans all over the world are very important to me " , adding that she also wants to put out a pair of singles before the album drops . In a separate interview , she elaborated further : " This happened to me with The Emancipation of Mimi , I started writing more songs , I was like okay let me get these done , then I wrote four more songs and you know how it goes , so now I 'm like 22 songs in and clearly I have to cut some of those down " . It was then reported that the album will be released in February 2008 . However , the release was later pushed back yet again to April 2008 .

Prior to the its release , the album 's working title had been That Chick , taken from a song on the album with a similar name , " I 'm That Chick " . As the release date drew near , the title was changed to  $E = MC^2$  , in reference to Carey 's previous album , The Emancipation of Mimi ( 2005 ) . The title signifies " ( E ) Emancipation ( = ) of ( MC ) Mariah Carey ( <sup>2</sup> ) to the second power " . It is a word play on Albert Einstein 's famous mass ? energy equivalence formula and has been dubbed as the sequel and improved counterpart to The Emancipation of Mimi . In his review of the album , Alex Macpherson from The Guardian described his thoughts on its title , as well as its meaning :

It is worth pondering what the title of Mariah Carey 's eleventh studio album could refer to . Emancipation , maybe , in a nod to her 2005 comeback album , The Emancipation of Mimi ; or perhaps the energy of the original equation , a statement that Carey still has what it takes to party all night at the age of 37 , even as she describes herself as " eternally 12 " . Then again , she could just be identifying herself alongside Einstein as a fellow genius . Either way , '  $E = MC^2$  ' finds Carey loopier than ever , embracing her own larger @-@ than @-@ life image with gusto : Mariah Carey Squared indeed .

Carey expressed how she considered Mimi the " main course " , and felt that the new album would be treated as " dessert " . In an interview with NME , the singer described her choice on the album 's title : " Basically , I 'm freer on this album than I 've ever been . Some of the songs on the last album were cool but maybe not quite as neat as this album . " When questioned if the title represented Carey 's interest in physics , she jokingly added " Einstein 's theory ? Physics ? Me ? Hello ! I even failed remedial math . I could not pass seventh grade math even in the lowest class with the worst kids . " The album 's similarity to its predecessor is not only found in the title and music , but also in its artwork . In the album 's cover art , she holds almost the exact pose as from her last album , only with different lighting and wardrobe . It features a black backdrop , with Carey completely naked , except for a large feathered shawl covering her body . Only her first name appears in large pink letters on the cover , with '  $E = MC^2$  ' appearing in small white letters on the top . In describing the cover , Macpherson wrote " Carey is naked but for the world 's largest feather boa , an accessory for which flocks of birds have surely given their lives . "

= = Composition = =

= = = Style and structure = = =

Music critics compared  $E = MC^2$  heavily to Carey 's previous album , The Emancipation of Mimi , and felt it followed the same formula of ballads and dance @-@ able tracks . Freedom De Luc of The Washington Post felt that after experiencing strong success for the first time in the 2000s with Mimi , Carey tried to create  $E = MC^2$  with the same formula , although possibly a little improved : " Having found that winning formula of coquettish club bangers , emotional ballads and frisky , mid @-@ tempo coos , the diva with the golden tone has eschewed radical experimentalism here for stasis . '  $E = MC^2$  ' is mostly more of the same , then , with the ' 2 ' representing something sequential rather than exponential . Meet the new Mariah , almost exactly the same as the old . . . ' "

Mimi ' ! " "

= = = Songs and lyrics = = =

The first song on the album 's track @-@ list is " Migrate " , a song Carey wrote and co @-@ produced alongside Danja , and featuring a rap verse from T @-@ Pain . Its melody is built on a heavy electronic beat , and incorporates whistle registers and several studio @-@ created synthesizers into its melody . Additionally , the song features the inclusion of Auto @-@ Tune and several vocal manipulators , which are used heavily on both Carey and T @-@ Pain 's vocals . Lyrically , the song finds the singer during a night out , migrating from several locations : from the car to the club , from the bar to the V.I.P , from the party to the after @-@ party , and finally to the hotel . According to Brian Hiatt from VH1 , she " hops from my car into the club ... from the bar to VIP ... from the party to the afterparty ... afterparty to hotel " with T @-@ Pain , who urges her to " bounce , bounce , bounce . "

The album 's lead single , " Touch My Body " , was written and produced by Carey , Tricky Stewart and Terius " The Dream " Nash . The song 's hook is built around a piano melody and " circular keyboard line " , and features " a stuttering mid @-@ tempo beat that 's accented by finger snaps and electronic synthesizers " as its instrumentation . Lyrically , the song describes the protagonist revealing several bedroom fantasies in which she would like to engage in , asking her lover playfully to " touch her body " . According to Ben Ratliff from The New York Times , it 's a " questionably sexy striptease : a goofy @-@ sleazy tryst vignette " , with Carey singing " If there 's a camera up in here then I best not catch this flick on YouTube . "

" Cruise Control " , featuring reggae artist Damian Marley , is influenced by R & B and Reggae , and finds her adapting to the genre by imitating Jamaican phrases , accents and styles of singing . " I Stay in Love " was released as the fourth and final single from the album , and places fourth on its track @-@ listing . Written by Carey and Bryan @-@ Michael Cox , is a mid @-@ tempo " beat @-@ driven " and " piano @-@ laced " ballad , that is influenced by pop and R & B music genres . The song 's instrumentation is derived from a piano melody , and is backed by a strong computerized drum @-@ beat . Its lyrics find Carey as her most vulnerable ; she describes old times she shared with her lover , and that even though " we said let go " , and " inside she knows its over " , she still " stays in love with him " . Featuring American rapper Young Jeezy , " Side Effects " describes Carey 's abusive relationship with Tommy Mottola , her ex @-@ husband . During the first verse , she discusses the pair 's background , and how she was young and naive , and believed everything he preached to her . The lyrics read " Keepin ' me there , under your thumb / Cause you were scared that I 'd become much / More than you could handle , " she confesses , and refers to herself as " Shining like a chandelier / That decorated every room inside / The private hell we built / And I dealt with it / Like a kid I wished / I could fly away . " According to Freedom De Luc of The Washington Post , on the song Carey uploads on Mottola , " ' sleeping with the enemy , aware that he was smothering every last part of me . ' She finally walked away , she sings , ' but I still live with the side effects . ' Sarah Rodman from The Boston Globe described it as " another look at her fractious marriage to Mottola " , and wrote " Although the union ended in 1998 , Carey is still suffering , including dreams of the ' violent times ' and ' sleeping with the enemy ' . Interestingly , her vocal approach here is almost emo , as she hits her rock @-@ solid middle register and refuses to be held captive by the demons of her past . " MTV News writer Jennifer Vineyard described the song in detail :

[ It ] finally reveals a side of Mariah we don 't see that often ? her true self . The Mariah we usually see and hear is a glossy one . Psychologists might say her affect is ' off ' ? meaning her gestures and facial expressions don 't match her mood . There 's a reason for that , as she explains on ' Side Effects ' , which is the emotional abuse she says she suffered during her marriage to music mogul Tommy Mottola . Mariah , who is usually quite guarded , has alluded to the subject in songs like ' Petals ' , but never has she gone into such detail as she does on ' Side Effects ' , in which she refers to the marriage as a ' private hell that we built ' . Even though it 's been 11 years since they split up , she sings in a lower register that she 's still ' wakin ' up scared some nights ... dreaming about the

violent times ' . Her emotional scars left her ' a little protective ... a little defensive ... a little depressed ' , which makes her ' fake a smile ' as she ' deal [ s ] with the side effects ' . Even though it features Young Jeezy , it sounds like a rock power ballad .

" I 'm That Chick " is a song Carey wrote alongside Norwegian duo , Stargate . Its a fast @-@ paced song , which features a " care @-@ free feel " , and is influenced by soul , pop and disco music genres . The song incorporates a sample from Michael Jackson 's " Off the Wall " , and features a strong thumping bass @-@ line and hand claps . Evan Sawdey of PopMatters described it as a " late @-@ night disco @-@ bass groove " , and highlighted its production as the album 's finest . " I 'll Be Lovin ' U Long Time " , the albums ' eventual third single , was written and produced by Carey and DJ Toomp . The song was described as a " mid @-@ tempo " , " party jam " , that is influenced by pop , R & B and soul music genres . Critics elaborated on the song 's " soul " influence , with Melissa Ruggieri from The News & Advance described it as a " soul @-@ thumper " , while Digital Spy 's Nick Levine called it a " nod towards classic soul " . The song 's title is derived from the popular line , " me love you long time " , from the 1987 war film , Full Metal Jacket . Additionally , its hook and instrumentation is derived from sampling Mark DeBarge 's Stay With Me . Critics also noted how " I 'll Be Lovin ' U Long Time " " recalls " the melody riff and chord progression of the Hill Street Blues 's theme song . The song 's main source of production comes from its " lush keyboard work " , and her usage of the " double voice " , which she uses throughout the song 's bridge . Carey described the effect as " layering her voice " , so that the bridge would sound like a " swooning bank of a hundred Mariahs " .

" Bye Bye " served as the album 's thirteenth track , and also composed by Carey and Stargate . An " inspirational power ballad " , it is influenced by R & B and pop music genres . The song is built on an understated and simple piano @-@ driven melody , that is decorated with a soft bass @-@ line . Lyrically , the song was described by critics as a " larger than life anthem " , and an " inspirational lighter @-@ in @-@ the @-@ air ballad " , and finds Carey remembering both her father , as well as any lost loved ones . While the verses are dedicated to him , the chorus was written in a third @-@ person point of view , for her fans : " This is for my peoples who just lost somebody / Your best friend , your baby , your man or your lady / Put your hand way up high / We will never say bye / Mamas , daddies , sisters , brothers , friends and cousins / This is for my peoples who lost their grandmothers / Lift your hands to the sky / Because we won 't ever say bye bye " . While listing several forms of loss , Carey encourages to never let go , and always live with their memory , and put their hands if they ever lost someone , ' cause we won 't ever say bye bye ' . Serving as the album 's closing number , " I Wish You Well " was compared to the closing number on Mimi , " Fly Like a Bird " . Similarly , " I Wish You Well " incorporates gospel influence into its melody of " rousing piano waltz " , that " extends forgiveness to those who have wronged her in the past and is pretty much interchangeable with its predecessors . " Extensively making use of the whistle register , she references Mottola in another light than " Side Effects " : " ' I Wish You Well 's ' message to Mottola is similarly striking . Accompanied by a piano and some multi @-@ tracked backing vocals , Carey sings : " Still bruised , still walk on eggshells / Same frightened child , hide to protect myself / But you can 't manipulate me like before . " She then prescribes Bible study and says , " I wish you well . "

= = Critical reception = =

E = MC <sup>2</sup> received a 63 / 100 ( indicating " generally positive reviews " ) on the website Metacritic , which averages professional reviews into a numerical score . Stephen Thomas Erlewine , senior editor of Allmusic , rated the album three out of five stars , and wrote " it 's misleading to judge Mariah based on her new record of possessing the most number one singles , as she 's not about longevity , she 's about being permanently transient , a characteristic ' E = MC <sup>2</sup> ' captures all too well . " Billboard 's Gary Trust felt that on the album , Carey was in " pristine form " , stating , " She 's proclaimed emancipation before , but Mariah Carey 's never sounded as free as she does on her 10th album . Carey 's made a pop album with equal parts levity and gravity . " Writing fir Entertainment Weekly , Margeaux Watson graded E = MC <sup>2</sup> an ' A- ' , and described how the album

's goal was to prove " her comeback was no fluke " . She continued complimenting the album 's several collaborations , and wrote " the result is a largely enjoyable mix of flirtatious club jams , midtempo love songs , and emotional ballads anchored by hip @-@ hop beats that handsomely showcase the singer 's powerful vocal chops . " Though Carey 's voice had been criticized since her 2002 release , Charmbracelet , for not being able to deliver the " gravity defying vocals " from the 1990s , Roger Friedman from Fox News wrote " Her infamous eight @-@ octave range has suffered a little wear and tear over the years , but Carey still can flutter from great highs to mellow lows like no one else . " Alex Macpherson from The Guardian gave the album four out of five stars , heavily describing the singer 's vocal state throughout the album : " Carey 's voice has been mocked , bizarrely , as being a triumph of technique over soul - an argument that fails to comprehend that technique and soul are intertwined , that technique primarily exists as a means to convey emotion - but she is on fine vocal form throughout ' E = MC <sup>2</sup> ' , whether belting out massive ballads , or layering her voice into a swooning bank of a hundred Mariah's . " Macpherson concluded his review with , " When she sings elsewhere , " Them other regularities , they can 't compare with MC , " " it is hard not to agree " , referencing a lyric on " For the Record " .

The Houston Chronicle 's Joey Guerra felt all of the album 's tracks were strong , and wrote " Every track plays like a potential hit single , and that 's exactly what fans will love about ' E = MC <sup>2</sup> ' . Expect it to soundtrack much of the summer and beyond . " Los Angeles Times staff writer , Richard Cromelin , gave the album two out of four stars , noting its " alternatives to the glass @-@ shattering flamboyance of her early ' 90s youth . " He concluded in his mixed review of the album , " Of course , consistency isn 't so important when an album is assembled as a series of singles rather than a cohesive work . Fortunately for Carey , the tabloid @-@ tailored real @-@ life back story on one side and the producer 's craft on the other matter more than the art of singing in this particular fairy tale . " Ben Ratliff of The New York Times felt the album didn 't level up to par with Carey 's previous release , writing " Much of the record sounds like urban @-@ radio imitations , without the peculiarities and effective hooks of ' Mimi ' . Maybe emancipation isn 't a continuing procedure ; maybe it only comes once . " Writing for PopMatters , Evan Sawdey rated E = MC <sup>2</sup> four out of ten discs , describing it as a " shallow imitation of its predecessor " . Sawdey concluded his review on a mixed note , stating " the second act of Mariah 's comeback doesn 't wisely expand her sound : it instead succumbs to the blueprint so carefully laid out by its predecessor , a pointless remake that exists only because it has to . If you ever had a doubt as to its formulaic nature , you need to look no further than its title . Long live the Diva . " Caryn Ganz from Rolling Stone questioned why she limited her vocal abilities throughout the record , " nearly every song confines Carey to four @-@ note verses , offering little room for her glorious range . " Journalist Eric Henderson , writing for Slant Magazine , graded the album three out of five stars , and concluding with , " Such are the rewards of an album like ' E = MC <sup>2</sup> ' , in which one does reach a solution , but not before Mariah bends over backward to show her work . " The album finished in the top @-@ ten of several " best of 2008 " lists , ending at number four on an official poll held by Billboard , eight by The Detroit News , and number ten by The San Diego Union @-@ Tribune . Robert Christgau picked out one song from the album , " Touch My Body " , as a " choice cut " ( ) .

= = Commercial performance = =

E = MC <sup>2</sup> debuted at number one on the Billboard 200 with 463 @, @ 000 copies sold , making it the biggest opening week sales of Carey 's career , and also the biggest opening album in 2008 for a female artist , before matched by Taylor Swift 's Fearless in November . With six number one albums , Carey is now tied with Britney Spears and Janet Jackson and Beyoncé in the United States for the third most number one albums for a female artist , behind Madonna with eight and Barbra Streisand 's nine chart toppers . In its second week , the album remained at number one on the albums chart , with 182 @, @ 000 copies sold . E = MC <sup>2</sup> became Carey 's first album to spend two straight weeks at number one since 1995 's Daydream , although The Emancipation of Mimi ( 2005 ) spent two non @-@ consecutive weeks at the top spot . On Billboard 's Top R & B / Hip @-@ Hop Albums chart , E = MC <sup>2</sup> debuted at number one , and spent forty @-@ seven weeks fluctuating

within the top 100 . The album was certified Platinum by the Recording Industry Association of America ( RIAA ) on July 8 , 2008 , denoting shipments of one million units . According to Nielsen SoundScan , stateside sales of the album stand at 1 @, @ 289 @, @ 000 copies as of April 2013 . In total , E = MC <sup>2</sup> spent twenty @-@ seven weeks within the Billboard 200 , and finished at number twenty @-@ two on the Year @-@ End chart . On the same day the album was released , Mayor Antonio Villaraigosa proclaimed April 15 officially as " Mariah Carey day " in Los Angeles . It was in part of celebrating her eighteenth number one single , " Touch My Body " . Also , from April 25 through April 27 , 2008 , the Empire State Building was lit up in Carey 's motif colors ? lavender , pink , and white ? in celebration of her achievements in the world of music . On the Canadian Albums Chart , during the week dated May 3 , 2008 , E = MC <sup>2</sup> debuted at number one , with first @-@ week sales of 19 @, @ 000 copies . It became her first number one album in Canada since before 1999 , as Rainbow and The Emancipation of Mimi both opened at number two . The album spent seven weeks within the album 's chart , and was eventually certified Platinum by the Canadian Recording Industry Association ( CRIA ) , denoting shipments of 100 @, @ 000 units .

E = MC <sup>2</sup> entered the Australian Albums Chart on April 5 , 2008 , at number two . The album spent eight weeks in the albums chart , and was certified Gold by the Australian Recording Industry Association ( ARIA ) , denoting shipments of 35 @, @ 000 units . In France , the album debuted at its peak position of number six during the week dated April 19 , 2008 . E = MC <sup>2</sup> spent twenty weeks on the albums chart , and ended its run on August 30 , 2008 . On the Dutch Albums Chart , it debuted at its peak position of number eleven on April 19 , 2008 . The album ended its eight @-@ week chart run on June 7 , 2008 . During the week dated April 28 , 2008 , E = MC <sup>2</sup> debuted at number ten on the New Zealand Albums Chart , starting a ten @-@ week run on the chart . The album peaked within the top ten in several European countries , such as number five in Switzerland , seven in Germany and Ireland , eight in Austria and number nine in Italy . On the UK Albums Chart , the album debuted at number three , selling 34 @, @ 800 copies . This was her highest peak position in the United Kingdom since *Butterfly* ( 1997 ) , which peaked at number two . After thirteen weeks on the chart , the album was certified Gold by the British Phonographic Industry ( BPI ) , denoting shipments of 100 @, @ 000 copies . In Japan , the album peaked at number seven on the Oricon Overall Chart , and was certified Gold by the Recording Industry Association of Japan ( RIAJ ) for shipments of 100 @, @ 000 copies . After only eight days of release , E = MC <sup>2</sup> was certified Gold in the Philippines , denoting shipments of 15 @, @ 000 units . The album was the 26th best @-@ selling album worldwide in 2008 , according to International Federation of the Phonographic Industry ( IFPI ) . As of September 19 , 2009 , the album has sold 2 @. @ 5 million copies worldwide .

= = Singles = =

" Touch My Body " was released as the lead single from the album on February 12 , 2008 . The song received generally positive reviews from music critics , who complimented its hook and production , as well as its playful lyrics . " Touch My Body " reached the top position on the Hot 100 in its fourth week , and became Carey 's eighteenth chart topper , selling 286 @, @ 000 digital downloads . The song 's opening week broke several records , making her the solo artist with the most number one singles in United States history , surpassing the record held by Elvis Presley . Additionally , it gave Carey her 79th week atop the Hot 100 , tying her with Presley as the artist with the most weeks at number one in the Billboard chart history . " The song also sold the highest amount of digital records in one week , surpassing Rihanna 's " Umbrella " ( 2007 ) , which sold 277 @, @ 000 units . Internationally , the song achieved strong chart success , peaking within the top five on the charts in Italy , Japan , New Zealand , Switzerland and the United Kingdom . The song 's music video was directed by film @-@ maker Brett Ratner , who had previously worked with the singer on five other music videos . It follows around a story revolving around a computer employees fantasy as he visits Carey 's home . As he fixes her computer , he enters a fantasy in which the pair perform several activities together , including a pillow fight , playing laser tag , Guitar Hero and slot cars , and throw a frisbee , all while showing off Carey 's figure in several revealing outfits .

" Bye Bye " was announced as the second single from the album on April 15 , 2008 . The song received generally positive reviews from music critics , and was heavily speculated to have become her 19th number @-@ one single on the Billboard Hot 100 . Many reviewers complimented its simple and understated musical arrangement and personalized lyrics , while some felt the song was too simple for an artist of Carey 's stature . The track only managed to reach a peak position of number nineteen on the Billboard Hot 100 . Throughout other countries where it found release , the song achieved relatively weak charting , peaking within the top ten in New Zealand , and in the top @-@ fifty in Canada , Ireland , Slovakia , and the United Kingdom . The song 's accompanying music video was directed by Justin Francis on the island of Antigua in the Caribbean . Notably , Carey and Cannon began dating during their trip to the island , and later wed on April 30 , 2008 . The video features behind @-@ the @-@ scenes footage of the couple , Carey promoting the album in the United Kingdom , as well as photos of several of Carey 's close friends , family and past collaborators such as Luciano Pavarotti and Luther Vandross .

The album 's third single , " I 'll Be Lovin ' U Long Time " , was released on June 1 , 2008 . Many complimented the song 's production and incorporation of the " Stay With me " sample , while others were unimpressed with the chorus in general . Chuck Taylor of Billboard assured the song would endure strong success and radio appeal , and complimented its overall production , as well as Carey 's voice : " [ It 's ] a playful , beach @-@ befitting groove , featuring a bright sample from DeBarge 's " Stay With Me , " lushly woven vocals and Carey 's highs dotting on fans with her sonic signature . " In the United States , the song peaked at number fifty @-@ eight , and at number twenty @-@ seven in Japan . On the UK Singles Chart , " I 'll Be Lovin ' U Long Time " peaked at number eighty @-@ four , and spent only one week in the chart . The song was featured on the final scene of You Don 't Mess with the Zohan ( 2008 ) , a film in which Carey made a cameo appearance . Its accompanying music video was shot over a three @-@ day interval in Hawaii , and makes usage of the islands scenery , as well as shots of Carey in several bikinis , while swimming with a dolphin .

" I Stay in Love " was released as the fourth and final single from the album on October 28 , 2008 . The song failed to chart on the Hot 100 , though became Carey 's fourteenth chart topper on the Hot Dance Club Play . Additionally , it peaked at number ninety @-@ five on the UK Singles Chart . The song 's accompanying music video was filmed by Carey 's husband , Nick Cannon , and features Carey as a dancer in a Las Vegas show at the The Bellagio Hotel and Casino Resort . Additionally , during the show and its preparations , Carey realizes that her ex @-@ lover has found love with one of her fellow dancers , leading her to blow up the car he gave her , as well as its accompaniments in the Mojave Desert .

#### Other notable songs

Though not released as singles , three of the album 's songs managed to chart on Billboard 's Hot 100 and Hot R & B / Hip @-@ Hop Songs chart due to high sales . " Migrate " peaked at number ninety @-@ two on the Hot 100 , and ninety @-@ five on the R & B chart , while both " I 'm That Chick " and " Side Effects " peaked at numbers eighty @-@ two and ninety @-@ three on the Hot R & B / Hip @-@ Hop Songs chart .

= = Promotion = =

Following the song 's digital release , Carey promoted the song on several live televised appearances and programs throughout the world . Only days prior to being released digitally , the singer was announced as the musical guest on an episode of Saturday Night Live , taking over for Janet Jackson who caught the flu and was unable to perform . Hosted by Jonah Hill , Carey performed both " Touch My Body " , as well as live rendition of " Migrate " alongside T @-@ Pain . Following the set , Carey and her manager at the time , Benny Medina , met with Lee Daniels , who then offered her a role in his film adaptation of Precious ( 2008 ) , in which Carey would later star and earn acclaim for her acting . After reaching the top of the Billboard charts , the Empire State Building was lit up in Carey 's motif colors , white , pink and lavender , for the entire week . On March 25 , 2008 , Carey was featured as the special guest performer at The Hills season premiere party , an event marking the start of a span of ten episodes airing in between season three and four

. Carey performed " Touch My Body " , " I 'm That Chick " and " We Belong Together " , before exiting the stage to a standing ovation . After the performance , Carey received strong praise from the program 's cast members , with Lauren Conrad saying " I 've always been a huge Mariah fan , and she 's just so beautiful and talented " . Whitney Port and Audrina Patridge referred to Carey as " an amazing singer " , while claiming to have listened to her music from a young age . On April 12 , 2008 , Carey made an appearance on The Oprah Winfrey Show . Winfrey interviewed the singer on her weight loss ,  $E = MC^2$  , and even showed footage of Carey in her New York apartment , showing off her lingerie closet . Following the interview , Carey performed a live rendition of " Bye Bye " for the audience , with three background vocalists assisting her . Kevin Johnson from St. Louis Post @-@ Dispatch described the performance as " touching " , and complimented the song 's appeal .

On the seventh season of the talent competition American Idol , Carey was featured as a mentor for the top @-@ seven week . Titled " Mariah Carey Week " and airing live on April 14 , 2008 , the contestants were to perform a song from the singer 's catalog . After all seven contestants sang their individual songs , they all came together for a live rendition of Carey 's 1996 collaboration with Boyz II Men , " One Sweet Day " . Overall , critics noted how a Carey themed week would be extremely difficult for the performers , due to their vocally strenuous nature . Following their joint performance , Carey emerged onto the stage and performed " Bye Bye " live , while backed by a trio of supporting vocalists . Tamara Jones of The Washington Post jokingly commented on Carey 's flailing hand movements during the performance , writing how she was " waving like a malevolent homecoming queen " . Gil Kaufman from MTV News complimented Carey 's performance , commenting on her " barely there micro @-@ dress " and writing how she " serenaded the audience with her homage to lost ones . " The Calgary Sun 's Lindsey Ward described it as a " less @-@ than @-@ fab performance " , although complimenting on Carey 's leaner figure , " Oh , who am I kidding ? She would look hot in a paper bag . " On April 25 , 2008 , Carey opened the Good Morning America " Summer Concert Series " with a live performance in Times Square . Carey , wearing a pink mini @-@ skirt , began the set with " Touch My Body " in front of thousands of fans . During the song , her backing vocals began to malfunction , causing it to repeat phrases and play during her main vocal moments . In order to let the sound engineer know of the problem , she substituted part of the lyrics for " stop singing my part now baby " , and completed the final chorus . She continued on with " I 'm That Chick " , and completed the three @-@ song set @-@ list with her follow @-@ up single , " Bye Bye " . After marking the album 's stateside launch with her appearance on Good Morning America , Carey took to Europe to perform on several programs . She began with an interview on the British radio station , BBC Radio 1 , and continued onto a live rendition of " Touch My Body " on both The Sunday Night Project and The Paul O 'Grady Show .

Similarly , Carey performed the song live on the German talent show , Deutschland sucht den Superstar ( Germany searches for the superstar ) , in April 2008 . On August 8 , 2008 , Carey performed a mash @-@ up of the song at the 2008 Teen Choice Awards . She began with her single at the time , " I 'll Be Lovin ' U Long Time " , and worked into the bridge of " Touch My Body " , before reverting to the former song . At the Fashion Rocks ceremony in 2009 , Carey performed " Touch My Body " and her current single , " Obsessed " , as well as the remix to her 1995 song " Fantasy " . During the set @-@ list , Carey was accompanied by six men in black ties , who hoisted her into the air in front of over 6 @,@ 000 people during " Obsessed " , and rigorous dance routines throughout " Touch My Body " . In promotion for  $E = MC^2$  and the single , Carey was featured as a guest judge and musical act on the fifth season of the British talent competition , The X Factor . During that week , all the contestants would have to sing songs from Carey 's catalog . Prior to her arrival , one of the show 's judges Dannii Minogue said " Could it get any more nerve @-@ wracking for the contestants ? " , due to the general strenuous nature of Carey 's songs . After several performances by the finalists , Carey performed " I Stay in Love " , accompanied by three background vocalists . She received a standing ovation from the audience and judges , and continued backstage for a taped session with the contestants . At the end of the program , she performed her classic " Hero " ( 1993 ) , and was eventually joined by the finalists for the finale of the song . " Hero " was re @-@ recorded by the 2008 UK X Factor finalists and released as a single



, becoming the best @-@ selling single of 2008 . According to reports , the episode gained a large increase in viewers due to Carey 's presence , and was able to surpass its long @-@ time rival program , Strictly Come Dancing , in the ratings . Carey made an appearance at the American Music Awards , held on November 23 , 2008 at the Nokia Theatre . Wearing a long black gown , she performed the song after receiving an honorary award for her achievements in music . Chris Harris from MTV News described it as a " riveting performance " .

= = = Tour = = =

Since the album 's release in early April , Carey had said publicly that she planned on embarking on a large worldwide tour in support of E = MC <sup>2</sup> . In an interview with Billboard on March 28 , 2008 , Carey explained " It 's come up , and I 'm probably going to do it , but I don 't know exactly how we 're going to do it or when . I 'm thinking probably September . But I think it 's important to tour with this album , because there are so many songs that I really want to sing live , that I really enjoy . " Months later , in an interview with MTV News in July , Carey further addressed her plans of a tour : " We 're looking at November right now . Please don 't hold me accountable if it turns out to be December 5 or December 7 or January 18 ! " When asked to describe the tour 's theme , Carey explained " I 'm thinking elaborate . I like elaborate . We only do substantial . That 's what my jeweler says . I haven 't gotten the looks in mind just yet , but we 're going to figure it out soon enough . " Despite continued plans for a tour , and announcements made on The X Factor in United Kingdom in November , the tour was suddenly cancelled by early December . Tabloids and critics began heavily speculating that Carey had become pregnant , and had abandoned plans for a tour as a result . Many claimed to have seen Carey visiting a famed gynecologist 's office in Los Angeles . Additionally , Carey 's newly slimmed figure began to change , as she stopped her exercise routines and gained weight . Though Carey had eventually announced that she was pregnant with twins on November 28 , 2010 , over two years later , she admitted she had indeed been pregnant during that time period , and suffered a miscarriage . For that reason , she cancelled the tour , and lost the child only two months later .

= = Track listing = =

= = Personnel = =

Credits for E = MC <sup>2</sup> adapted from the album 's liner notes .

= = Charts and certifications = =

= = Release history = =