

# Converting Colors

Decimal(16720954)

Have a look what the booklet for  
Decimal(16720954) contains.

<b>Decimal(16720954)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Decimal(16720954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF243A
RGB	255, 36, 58
RGB Percent	100%, 14%, 23%
CMY	0.0000, 0.8588, 0.7725
CMYK	0.00, 0.86, 0.77, 0.00
HSL	354°, 100%, 57%
HSV	354°, 86%, 100%
XYZ	42.6346, 22.8272, 6.1620
YIQ	103.9890, 123.4620, 53.2700

# Conversions

## Conversions Part 2

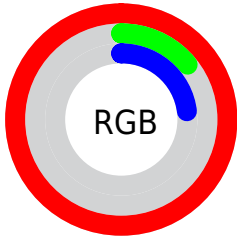
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 36, 58
Decimal	16720954
CIE <sub>Lab</sub>	54.89, 77.17, 45.44
CIE <sub>LCh</sub>	55, 89.556, 30.494
Yxy	22.8272, 0.5953, 0.3187
Android (android.graphics.Color)	4294911034 (0xFFFF243A)
YUV	103.9890, -22.6726, 132.4366
Hunter-Lab	47.7779, 75.6733, 25.7978

# Details

The Decimal color **16720954** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **2424809**, and the grayscale version is **6842472**.

A 20% lighter version of the original color is **16739434**, and **12386319** is the 20% darker color. If you saturate the color by 10%, you get **16714275**, and if you desaturate by 10%, it is **16727377**.

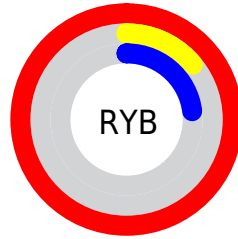
# Distribution



Red (100%)

Green (14%)

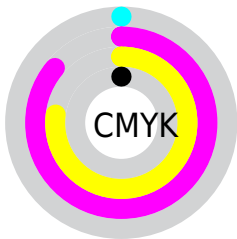
Blue (23%)



Red (100%)

Yellow (14%)

Blue (23%)

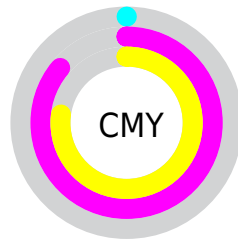


Cyan (0%)

Magenta (86%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16720954 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Decimal color 16720954 by changing the saturation by 10% instead.



 16720954	 16720954
16777215	 14549028
 16739434	 12386319
 16747395	 10223616
 16755102	 8126464
 16762809	 6029315
 16770516	 3997699
 16777201	 1638401
	 0

 16720954       16720954

■ 16714275

■ 16727377

■ 16711706

■ 16734056

■ 16740479

■ 16747158

■ 16753581

■ 16760260

■ 16766683

■ 16773362

16777215

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16711814



16720954



14245632

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16720954



40494



36607

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16720954



2424809

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40703



16720954



41859

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16720954



5149952



41937



7695871

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16720954



11826944



41937



38399



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16720954



16760259



15017215



8411228



0



8421504



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16720954



16711706



16742436



8418164



12517395



4194310



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16720954



16711706



2403327



8418164



12517395



4194310



# Previews

## White Background



This preview shows how the Decimal color 16720954 looks on a white background.

## Color Contrast Check

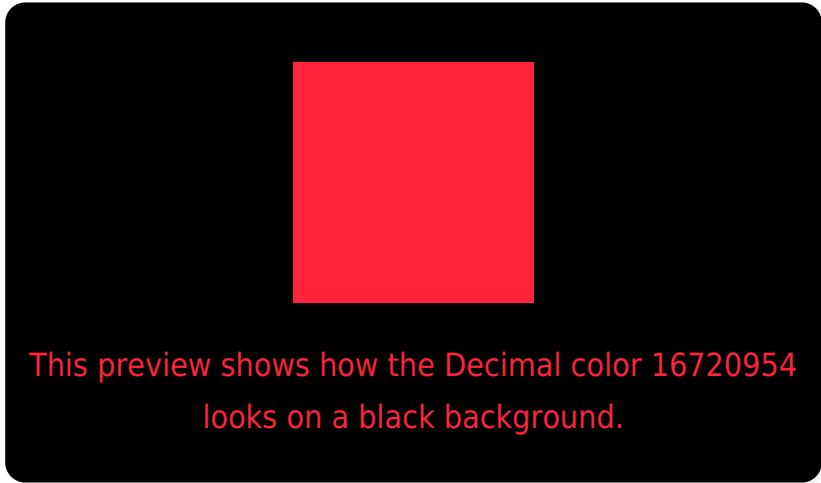
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 16720954 Background



This preview shows how black text looks on a background with the Decimal color 16720954.



This preview shows how white text looks on a background with the Decimal color 16720954.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
16720954

**Protanomaly**  
12083532

**Deuteranomaly**  
12999984

**Tritanomaly**  
16721709

# Monochromacy



**Original Color**  
16720954

**Achromatopsia**  
6842472

**Achromatomaly**  
10440535

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16720954 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #FF243A looks like.

```
.text, #text, p{  
    color:#FF243A  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #FF243A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF243A
}
```

## Border

The CSS property to change the border of an element to Decimal 16720954 is called "border". The border property can be set on classes, ids or directly on the HTML element.

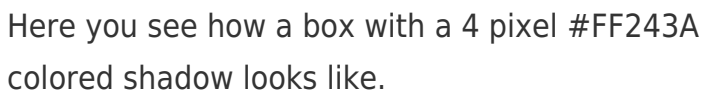
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#FF243A }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#FF243A }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #FF243A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF243A; -webkit-box-shadow:4px 4px  
4px 4px #FF243A; box-shadow:4px 4px 4px  
4px #FF243A }
```

# Background

The CSS property to change the background color of an element to Decimal 16720954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF243A }
```

If only the background color should be changed can be used:

```
.background{ background-color:#FF243A }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor