

# Converting Colors

Decimal(15732227)

Have a look what the booklet for  
Decimal(15732227) contains.

<b>Decimal(15732227)</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(15732227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F00E03
RGB	240, 14, 3
RGB Percent	94%, 5%, 1%
CMY	0.0588, 0.9451, 0.9882
CMYK	0.00, 0.94, 0.99, 0.06
HSL	3°, 98%, 48%
HSV	3°, 99%, 94%
XYZ	36.1087, 18.8459, 1.8206
YIQ	80.3200, 138.2270, 44.4910

# Conversions

## Conversions Part 2

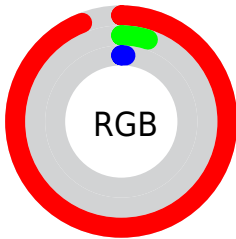
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 15, 3
Decimal	15732227
CIE Lab	50.51, 75.46, 63.52
CIE LCh	51, 98.639, 40.091
Yxy	18.8459, 0.6360, 0.3319
Android (android.graphics.Color)	4293922307 (0xFFFF00E03)
YUV	80.3200, -38.1188, 140.0394
Hunter-Lab	43.4119, 72.5000, 27.9018

# Details

The Decimal color **15732227** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **255472**, and the grayscale version is **5329233**.

A 20% lighter version of the original color is **16736315**, and **11337728** is the 20% darker color. If you saturate the color by 10%, you get **15731456**, and if you desaturate by 10%, it is **15738139**.

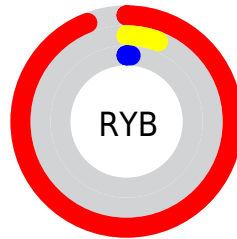
# Distribution



Red (94%)

Green (5%)

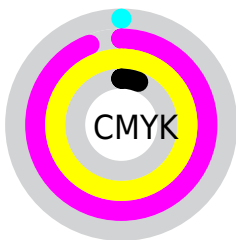
Blue (1%)



Red (94%)

Yellow (6%)

Blue (1%)

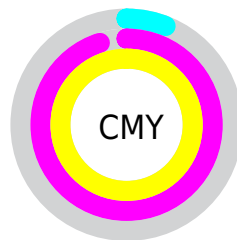


Cyan (0%)

Magenta (94%)

Yellow (99%)

Black (6%)



Cyan (6%)

Magenta (95%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 15732227 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 15732227 by changing the saturation by 10% instead.




 15732227

 15732227

 16777208

 13500416

 16736315

 11337728

 16744276

 9175040


 16751982

 7077890

 16759688

 5111812

 16767395

 3014658

 16775103

 0

 16777179

 15732227

 15732227

■ 15731456

■ 15738139

■ 15744051

■ 15749963

■ 15755875

■ 15761531

■ 15767443

■ 15773355

■ 15779267

■ 15785179

# Harmonies

## Analogous

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



16711777



15732227



12541440

# Triad

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



15732227



38457



31999

# Complementary

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



15732227



255472

# 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.



37375



15732227



39316

# Square

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



15732227



36352



39140



9785083

# Rectangle

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



15732227



9664000



39140



34303



# Sweetspot

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



15732227



16758451



15729640



8410194



0



8421504



# Same Dimension

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



15732227



16714752



15761667



7892076



12060928



3670784



# Inverse Universe

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



255472



62463



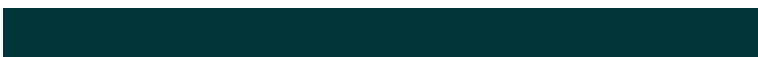
226032



7108472



44984



13624



# Previews

## White Background



This preview shows how the Decimal color 15732227 looks on a white background.

## Color Contrast Check

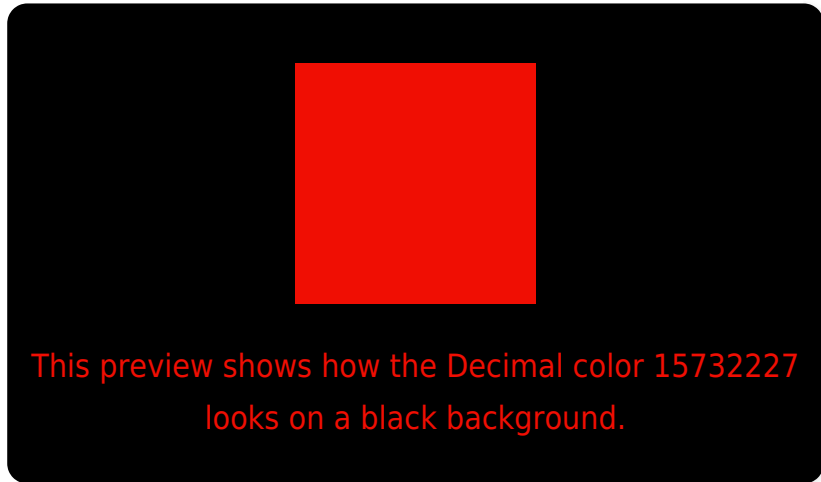
Large Text (above 18pt) WCAG AA ✓ Pass

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 15732227 Background



This preview shows how black text looks on a background with the Decimal color 15732227.



This preview shows how white text looks on a background with the Decimal color 15732227.

# 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



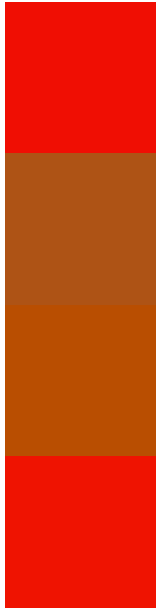
**Original Color**  
15732227

**Protanopia**  
8944159

**Deuteranopia**  
10056448



# Trichromacy



**Original Color**  
15732227

**Protanomaly**  
11424533

**Deuteranomaly**  
12144129

**Tritanomaly**  
15667969

# Monochromacy



**Original Color**  
15732227

**Achromatopsia**  
5263440

**Achromatomaly**  
9058356

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 15732227 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 #F00E03 looks like.

```
.text, #text, p{  
    color:#F00E03  
}
```

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 #F00E03 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F00E03
}
```

## Border

The CSS property to change the border of an element to Decimal 15732227 is called "border". The border property can be set on classes, ids or directly on the HTML element.

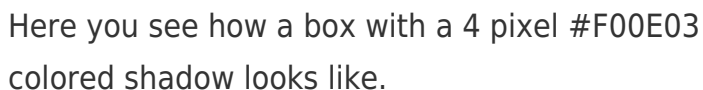
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F00E03 }
```

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

```
.border{ border-color:#F00E03 }
```

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



Here you see how a box with a 4 pixel #F00E03 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F00E03; -webkit-box-shadow:4px 4px  
4px 4px #F00E03; box-shadow:4px 4px 4px  
4px #F00E03 }
```

# Background

The CSS property to change the background color of an element to Decimal 15732227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F00E03 }
```

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

```
.background{ background-color:#F00E03 }
```

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**