

# Converting Colors

Decimal(12456723)

Have a look what the booklet for  
Decimal(12456723) contains.

<b>Decimal(12456723)</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(12456723)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE1313
RGB	190, 19, 19
RGB Percent	75%, 7%, 7%
CMY	0.2549, 0.9255, 0.9255
CMYK	0.00, 0.90, 0.90, 0.25
HSL	0°, 82%, 41%
HSV	0°, 90%, 75%
XYZ	21.5856, 11.4599, 1.6904
YIQ	70.1290, 101.9160, 36.2520

# Conversions

## Conversions Part 2

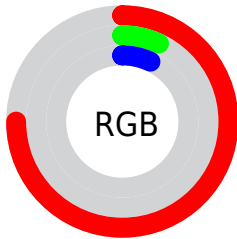
Format	Color
<a href="#">RYB</a>	<a href="#">190, 19, 19</a>
Decimal	<a href="#">12456723</a>
CIELab	<a href="#">40.34, 62.19, 47.25</a>
CIELCh	<a href="#">40, 78.106, 37.228</a>
Yxy	<a href="#">11.4599, 0.6214, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4290646803</a> (0xFFBE1313)
YUV	<a href="#">70.1290, -25.2066, 105.1269</a>
Hunter-Lab	<a href="#">33.8525, 54.5764, 20.7362</a>

# Details

The Decimal color **12456723** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **1294014**, and the grayscale version is **4605510**.

A 20% lighter version of the original color is **16734273**, and **8323072** is the 20% darker color. If you saturate the color by 10%, you get **12451840**, and if you desaturate by 10%, it is **12461606**.

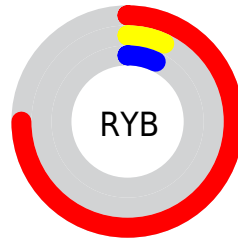
# Distribution



Red (75%)

Green (7%)

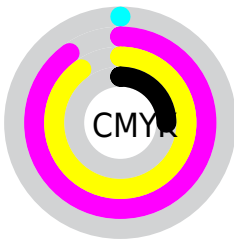
Blue (7%)



Red (75%)

Yellow (7%)

Blue (7%)

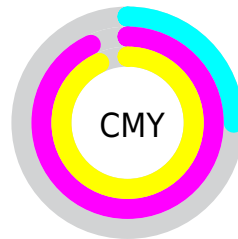


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (25%)



Cyan (25%)

Magenta (93%)






Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12456723 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 12456723 by changing the saturation by 10% instead.



 12456723	 12456723
 16777212	 10354688
 16734273	 8323072
 16741466	 6291456
 16748915	 4390915
 16756109	 2228225
 16763559	 0
 16771267	
 16777183	
 12456723	 12456723

■ 12451840

■ 12461606

■ 12466489

■ 12471372

■ 12476255

■ 12481138

■ 12486021

■ 12490904

■ 12495787

■ 12500670

# Harmonies

## Analogous

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



13238355



12456723



10176512

# Triad

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



12456723



30249



25825

# Complementary

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



12456723



1294014

# 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.



29655



12456723



30830

# Square

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



12456723



1142528



30892



7095495

# Rectangle

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



12456723



8018688



30892



27361



# Sweetspot

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



12456723



16233909



12456894



8213845



16579836



8224125



# Same Dimension

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



12456723



16187392



12478739



6182229



10354688



2031616



# Inverse Universe

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



1294014



63479



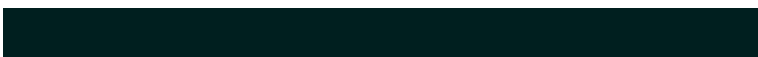
1272254



5594718



40606



7967



# Previews

## White Background



This preview shows how the Decimal color 12456723 looks on a white background.

## Color Contrast Check

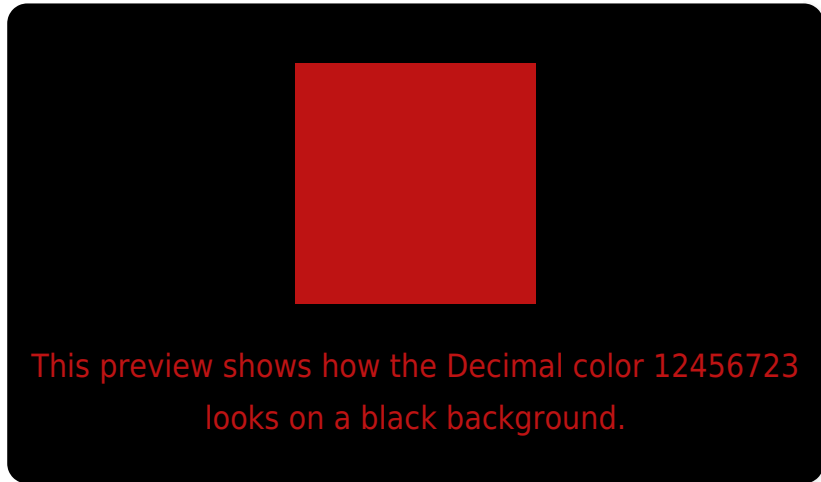
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

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



## Decimal 12456723 Background



This preview shows how black text looks on a background with the Decimal color 12456723.



This preview shows how white text looks on a background with the Decimal color 12456723.

# 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**  
12456723

**Protanopia**  
7102755

**Deuteranopia**  
8018944



# Trichromacy



**Original Color**  
12456723

**Protanomaly**  
9061661

**Deuteranomaly**  
9650439

**Tritanomaly**  
12456975

# Monochromacy



**Original Color**  
12456723

**Achromatopsia**  
4605510

**Achromatomaly**  
7484211

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12456723 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 #BE1313 looks like.

```
.text, #text, p{  
    color:#BE1313  
}
```

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 #BE1313 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BE1313
}
```

## Border

The CSS property to change the border of an element to Decimal 12456723 is called "border". The border property can be set on classes, ids or directly on the HTML element.

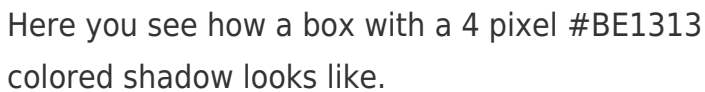
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#BE1313 }
```

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

```
.border{ border-color:#BE1313 }
```

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



Here you see how a box with a 4 pixel `#BE1313` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BE1313; -webkit-box-shadow:4px 4px  
4px 4px #BE1313; box-shadow:4px 4px 4px  
4px #BE1313 }
```

# Background

The CSS property to change the background color of an element to Decimal 12456723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BE1313 }
```

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

```
.background{ background-color:#BE1313 }
```

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