

# Converting Colors

Decimal(12075040)

Have a look what the booklet for  
Decimal(12075040) contains.

<b>Decimal(12075040)</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(12075040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B84020
RGB	184, 64, 32
RGB Percent	72%, 25%, 13%
CMY	0.2784, 0.7490, 0.8745
CMYK	0.00, 0.65, 0.83, 0.28
HSL	13°, 70%, 42%
HSV	13°, 83%, 72%
XYZ	21.8613, 13.9614, 2.9091
YIQ	96.2320, 81.7920, 15.4880

# Conversions

## Conversions Part 2

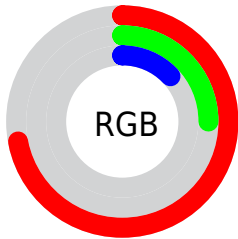
Format	Color
<a href="#">RYB</a>	<a href="#">184, 73, 32</a>
Decimal	<a href="#">12075040</a>
CIELab	<a href="#">44.18, 46.96, 43.96</a>
CIElCh	<a href="#">44, 64.330, 43.111</a>
Yxy	<a href="#">13.9614, 0.5644, 0.3605</a>
Android (android.graphics.Color)	<a href="#">4290265120</a> (0xFFB84020)
YUV	<a href="#">96.2320, -31.6664, 76.9725</a>
Hunter-Lab	<a href="#">37.3650, 39.0469, 21.5394</a>

# Details

The Decimal color **12075040** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **2136248**, and the grayscale version is **6316128**.

A 20% lighter version of the original color is **16217423**, and **8060928** is the 20% darker color. If you saturate the color by 10%, you get **12071182**, and if you desaturate by 10%, it is **12078898**.

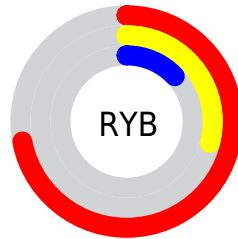
# Distribution



Red (72%)

Green (25%)

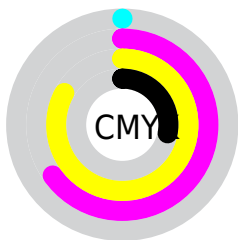
Blue (13%)



Red (72%)

Yellow (29%)

Blue (13%)

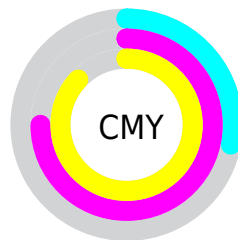


Cyan (0%)

Magenta (65%)

Yellow (83%)

Black (28%)



Cyan (28%)

Magenta (75%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12075040 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 12075040 by changing the saturation by 10% instead.



 12075040	 12075040
 16777215	 10036232
 16217423	 8060928
 16748648	 6094848
 16755842	 4259840
 16763036	 2359297
 16770487	 0
 16777171	
 16777200	
 12075040	 12075040

12071182

12078898

12068608

12082501

12086359

12089962

12093820

12097422

12101281

12104883

12108742

# Harmonies

## Analogous

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



12920660



12075040



9919232

# Triad

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



12075040



32327



26578

# Complementary

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



12075040



2136248

# 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.



30671



12075040



32895

# Square

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



12075040



2521095



32433



8867511

# Rectangle

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



12075040



8022016



32433



28372



# Sweetspot

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



12075040



15777972



12066970



7887700



16250871



7895160



# Same Dimension

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



12075040



15741954



12093984



6051155



10232064



1836544



# Inverse Universe

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



2136248



179952



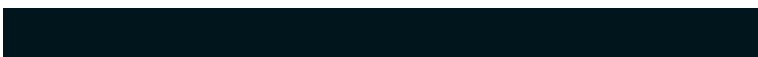
2117304



5462620



31644

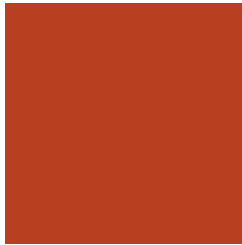


5660



# Previews

## White Background



This preview shows how the Decimal color 12075040 looks on a white background.

## Color Contrast Check

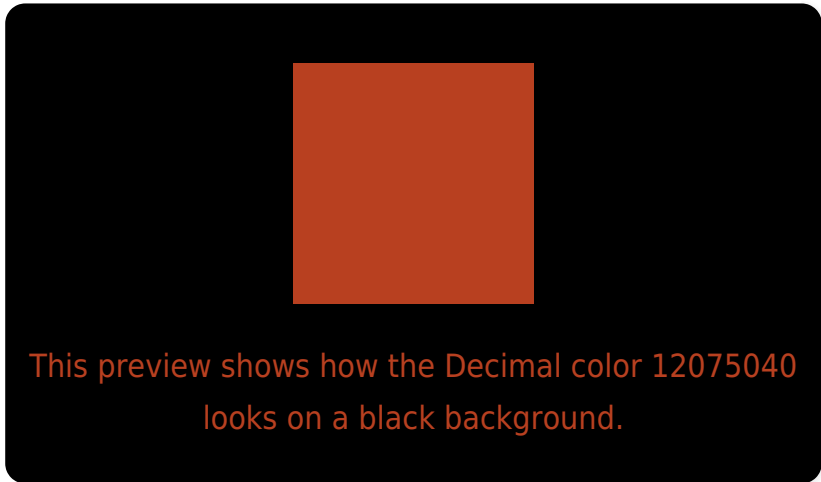
Large Text (above 18pt) WCAG AA ✓ Pass

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 12075040 Background



This preview shows how black text looks on a background with the Decimal color 12075040.



This preview shows how white text looks on a background with the Decimal color 12075040.

# 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**  
12075040

**Protanopia**  
7694635

**Deuteranopia**  
8741907



# Trichromacy



**Original Color**  
12075040

**Protanomaly**  
9263655

**Deuteranomaly**  
9983768

**Tritanomaly**  
12139828

# Monochromacy



**Original Color**  
12075040

**Achromatopsia**  
6316128

**Achromatomaly**  
8410185

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12075040 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 #B84020 looks like.

```
.text, #text, p{  
  color:#B84020  
}
```

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 #B84020 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B84020
}
```

## Border

The CSS property to change the border of an element to Decimal 12075040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

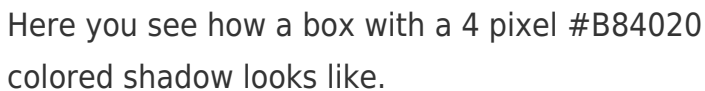
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B84020 }
```

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

```
.border{ border-color:#B84020 }
```

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



Here you see how a box with a 4 pixel #B84020 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B84020; -webkit-box-shadow:4px 4px  
4px 4px #B84020; box-shadow:4px 4px 4px  
4px #B84020 }
```

# Background

The CSS property to change the background color of an element to Decimal 12075040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B84020 }
```

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

```
.background{ background-color:#B84020 }
```

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