

# Converting Colors

Decimal(12090133)

Have a look what the booklet for  
Decimal(12090133) contains.

<b>Decimal(12090133)</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(12090133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B87B15
RGB	184, 123, 21
RGB Percent	72%, 48%, 8%
CMY	0.2784, 0.5176, 0.9176
CMYK	0.00, 0.33, 0.89, 0.28
HSL	38°, 80%, 40%
HSV	38°, 89%, 72%
XYZ	26.9855, 24.4104, 3.9989
YIQ	129.6110, 69.0980, -18.7900

# Conversions

## Conversions Part 2

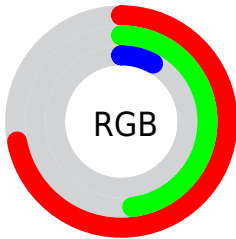
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">118, 184, 21</a>
Decimal	<a href="#">12090133</a>
CIELab	<a href="#">56.50, 16.14, 58.51</a>
CIELCh	<a href="#">56, 60.699, 74.579</a>
Yxy	<a href="#">24.4104, 0.4871, 0.4407</a>
Android (android.graphics.Color)	<a href="#">4290280213</a> ( <a href="#">0xFFB87B15</a> )
YUV	<a href="#">129.6110, -53.5452, 47.6992</a>
Hunter-Lab	<a href="#">49.4069, 11.0326, 29.7861</a>

# Details

The Decimal color **12090133** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **1397432**, and the grayscale version is **8553090**.

A 20% lighter version of the original color is **16101197**, and **8276480** is the 20% darker color. If you saturate the color by 10%, you get **12088323**, and if you desaturate by 10%, it is **12091943**.

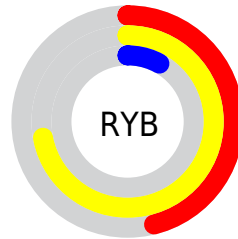
# Distribution



Red (72%)

Green (48%)

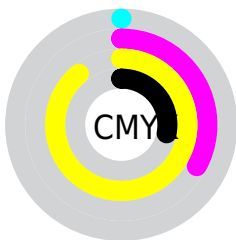
Blue (8%)



Red (46%)

Yellow (72%)

Blue (8%)

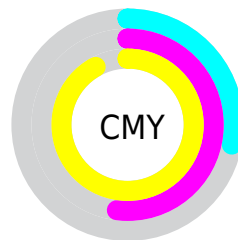


Cyan (0%)

Magenta (33%)

Yellow (89%)

Black (28%)



Cyan (28%)

Magenta (52%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12090133 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 12090133 by changing the saturation by 10% instead.



 12090133

 12090133

16777215

 10117632

 16101197

 8276480

 16763752

 6370304

 16770946

 4529664

 16777118

 2820352

 16777145

 196608

 16777174

 0

 16777203

 12090133

 12090133

■ 12088323

■ 12091943

■ 12088064

■ 12093754

■ 12095564

■ 12097375

■ 12098929

■ 12100739

■ 12102550

■ 12104360

■ 12106171

# Harmonies

## Analogous

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



14247231



12090133



9014538

# Triad

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



12090133



41121



11235027

# Complementary

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



12090133



1397432

# 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.



5015022



12090133



40657

# Square

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



12090133



40810



38381



14244005

# Rectangle

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



12090133



6526247



38381



9664223



# Sweetspot

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



12090133



15783855



12064083



7891281



16250871



7895160



# Same Dimension

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



12090133



15767040



10860565



6051923



10248448



1839616



# Inverse Universe

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



1397432



23280



2627000



5461596



15004

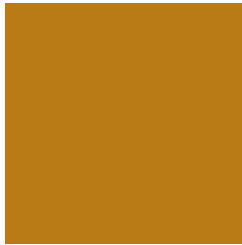


2588



# Previews

## White Background



This preview shows how the Decimal color 12090133 looks on a white background.

## Color Contrast Check

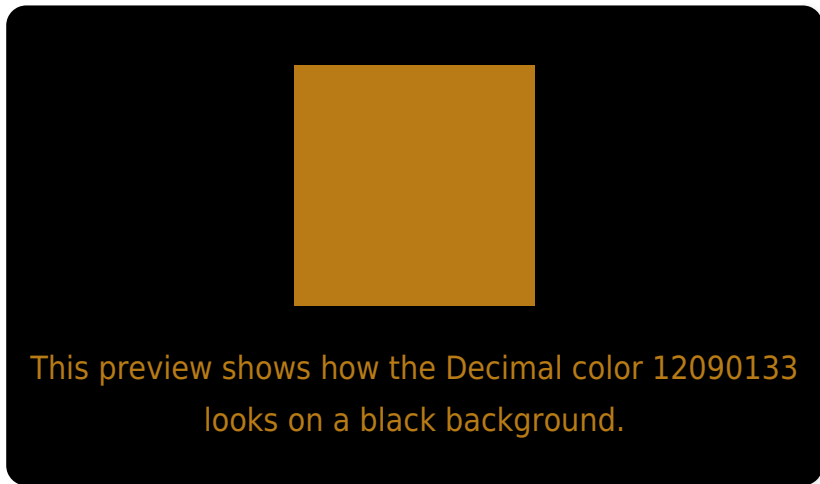
Large Text (above 18pt) WCAG AA ✓ Pass

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 12090133 Background



This preview shows how black text looks on a background with the Decimal color 12090133.



This preview shows how white text looks on a background with the Decimal color 12090133.

# 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**  
12090133

**Protanopia**  
10061849

**Deuteranopia**  
11305232



**Tritanopia**  
12415611

# Trichromacy



**Original Color**  
12090133

**Protanomaly**  
10781464

**Deuteranomaly**  
11566866

**Tritanomaly**  
12285270

# Monochromacy



**Original Color**  
12090133

**Achromatopsia**  
8553090

**Achromatomaly**  
9863002

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12090133 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 #B87B15 looks like.

```
.text, #text, p{  
    color:#B87B15  
}
```

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 #B87B15 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B87B15
}
```

## Border

The CSS property to change the border of an element to Decimal 12090133 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
#B87B15 }
```

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

```
.border{ border-color:#B87B15 }
```

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

Here you see how a box with a 4 pixel #B87B15 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B87B15; -webkit-box-shadow:4px 4px  
4px 4px #B87B15; box-shadow:4px 4px 4px  
4px #B87B15 }
```

# Background

The CSS property to change the background color of an element to Decimal 12090133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B87B15 }
```

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

```
.background{ background-color:#B87B15 }
```

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