

# Converting Colors

Decimal(13676576)

Have a look what the booklet for  
Decimal(13676576) contains.

<b>Decimal(13676576)</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(13676576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0B020
RGB	208, 176, 32
RGB Percent	82%, 69%, 13%
CMY	0.1843, 0.3098, 0.8745
CMYK	0.00, 0.15, 0.85, 0.18
HSL	49°, 73%, 47%
HSV	49°, 85%, 82%
XYZ	41.7985, 44.5648, 7.7654
YIQ	169.1520, 65.2960, -38.0000

# Conversions

## Conversions Part 2

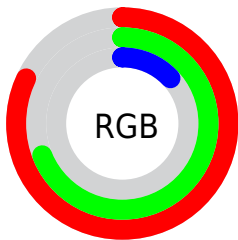
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 208, 32
Decimal	13676576
CIELab	72.60, -1.69, 69.83
CIElCh	73, 69.847, 91.385
Yxy	44.5648, 0.4441, 0.4734
Android (android.graphics.Color)	4291866656 (0xFFD0B020)
YUV	169.1520, -67.6159, 34.0697
Hunter-Lab	66.7569, -5.0605, 39.8330

# Details

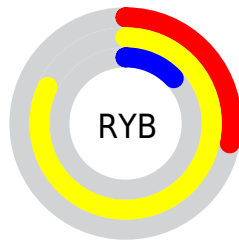
The Decimal color **13676576** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **2113744**, and the grayscale version is **11184810**.

A 20% lighter version of the original color is **16770909**, and **9796608** is the 20% darker color. If you saturate the color by 10%, you get **13675531**, and if you desaturate by 10%, it is **13677621**.

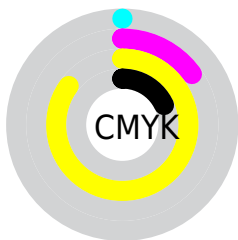
# Distribution



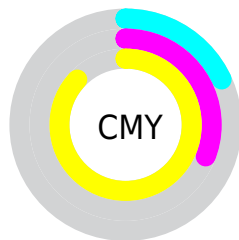
- Red (82%)
- Green (69%)
- Blue (13%)



- Red (28%)
- Yellow (82%)
- Blue (13%)



- Cyan (0%)
- Magenta (15%)
- Yellow (85%)
- Black (18%)





















- Cyan (18%)
- Magenta (31%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 13676576 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 13676576 by changing the saturation by 10% instead.



 13676576	 13676576
16777215	 11703808
 16770909	 9796608
 16777080	 7955200
 16777108	 6048768
 16777137	 4273408
 16777165	 2629888
 16777195	 657920
	 0
 13676576	 13676576

■ 13675531

■ 13677621

■ 13675008

■ 13678666

■ 13679454

■ 13680499

■ 13681544

■ 13682589

■ 13683378

■ 13684422

■ 13685467

# Harmonies

## Analogous

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



16750655



13676576



9421370

# Triad

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



13676576



53491



16745712

# Complementary

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



13676576



2113744

# 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.



11968767



13676576



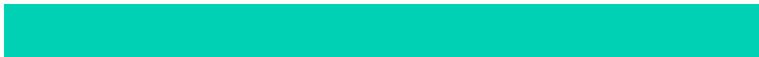
51455

# Square

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



13676576



53427



47615



16741554

# Rectangle

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



13676576



5622110



47615



15568383



# Sweetspot

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



13676576



16774079



13639744



8419673



0



8421504



# Same Dimension

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



13676576



16765184



10014752



6907742



11045376



2695424



# Inverse Universe

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



2113744



12031



5775568



6185065



8104



1833



# Previews

## White Background



This preview shows how the Decimal color 13676576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Decimal color 13676576 looks on a 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 ✓ Pass

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



## Decimal 13676576 Background



This preview shows how black text looks on a background with the Decimal color 13676576.

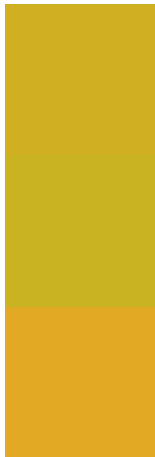


This preview shows how white text looks on a background with the Decimal color 13676576.

# 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**  
13676576

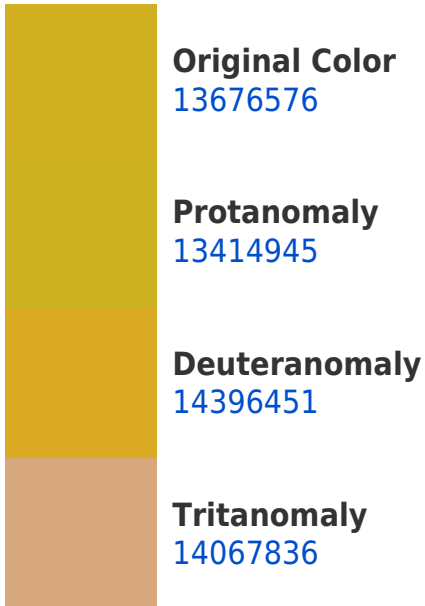
**Protanopia**  
13218593

**Deuteranopia**  
14788900



**Tritanopia**  
14263472

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 13676576 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 #D0B020 looks like.

```
.text, #text, p{  
  color:#D0B020  
}
```

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 #D0B020 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D0B020
}
```

## Border

The CSS property to change the border of an element to Decimal 13676576 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
#D0B020 }
```

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

```
.border{ border-color:#D0B020 }
```

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

Here you see how a box with a 4 pixel #D0B020 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D0B020; -webkit-box-shadow:4px 4px  
4px 4px #D0B020; box-shadow:4px 4px 4px  
4px #D0B020 }
```

# Background

The CSS property to change the background color of an element to Decimal 13676576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D0B020 }
```

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

```
.background{ background-color:#D0B020 }
```

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