

# Converting Colors

YIQ(168.7270, 73.3220,  
-51.3020)

Have a look what the booklet for  
YIQ(168.7270, 73.3220, -51.3020)  
contains.

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# **Color**

**YIQ(168.7270, 73.3220,  
-51.3020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB600
RGB	207, 182, 0
RGB Percent	81%, 71%, 0%
CMY	0.1883, 0.2863, 0.9995
CMYK	0.00, 0.12, 1.00, 0.19
HSL	53°, 100%, 41%
HSV	53°, 100%, 81%
XYZ	42.4546, 46.7151, 6.7825
YIQ	168.7270, 73.3220, -51.3020

# Conversions

## Conversions Part 2

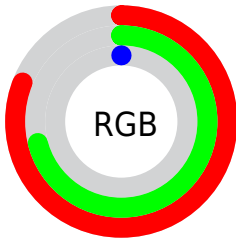
Format	Color
R <sub>Y</sub> B	28, 207, 0
Decimal	13612544
CIE Lab	74.01, -5.75, 75.90
CIE LCh	74, 76.121, 94.336
Yxy	46.7151, 0.4425, 0.4869
Android (android.graphics.Color)	4291802624 (0xFFCFB600)
YUV	168.7270, -83.1824, 33.5654
Hunter-Lab	68.3484, -8.7345, 41.9603

# Details

The YIQ color **168.7270, 73.3220, -51.3020** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **38.2730, -73.3220, 51.3020**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **225.1850, 60.5290, -45.2230**, and **120.5620, 52.4580, -36.6140** is the 20% darker color. If you saturate the color by 10%, you get **168.7270, 73.3220, -51.3020**, and if you desaturate by 10%, it is **172.2950, 66.0310, -45.8170**.

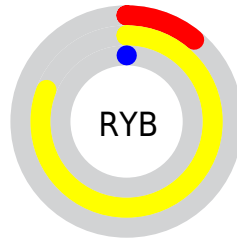
# Distribution



Red (81%)

Green (71%)

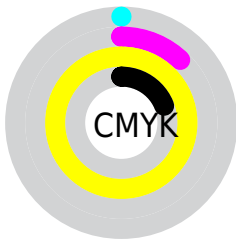
Blue (0%)



Red (11%)

Yellow (81%)

Blue (0%)

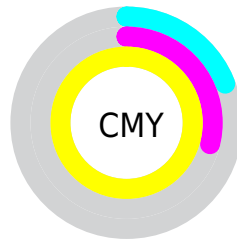


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (29%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.7270, 73.3220, -51.3020 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 YIQ color 168.7270, 73.3220, -51.3020 by changing the saturation by 10% instead.



■ 168.7270, 73.3220,  
-51.3020

■ 168.7270, 73.3220,  
-51.3020

■ 255.0000, -0.0000,  
-0.0000

■ 143.9080, 62.8670,  
-43.5410

■ 225.1850, 60.5290,  
-45.2230

■ 120.5620, 52.4580,  
-36.6140

■ 238.3560, 46.8660,  
-45.4060

■ 97.2160, 42.0490,  
-29.6870

■ 241.6620, 37.5570,  
-36.3870

■ 74.7560, 31.9610,  
-23.0710

■ 244.8540, 28.5690,  
-27.6790

■ 53.1820, 22.1940,  
-16.7660

■ 248.1600, 19.2600,  
-18.6600

■ 33.3800, 13.0690,  
-11.0830

■ 251.5800, 9.6300,

■ 12.3710, 0.0930,

-9.3300

-7.1950

254.8860, 0.3210,  
-0.3110

■ 0.0000, 0.0000,  
0.0000

■ 168.7270, 73.3220,  
-51.3020

■ 172.2950, 66.0310,  
-45.8170

■ 176.4500, 58.4650,  
-40.8550

■ 179.9040, 51.4950,  
-35.6810

■ 184.0590, 43.9290,  
-30.7190

■ 187.6270, 36.6380,  
-25.2340

■ 191.6680, 29.3930,  
-20.5830

■ 195.2360, 22.1020,  
-15.0980

■ 199.3910, 14.5360,  
-10.1360

■ 203.4320, 7.2910,  
-5.4850

# Harmonies

## Analogous

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



173.2890, 93.6720, -12.6000



168.7270, 73.3220, -51.3020



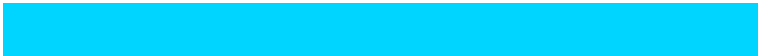
163.8070, 8.4470, -59.4970

# Triad

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



168.7270, 73.3220, -51.3020



154.1010, -140.4300, -32.0940



178.6100, 38.7310, 63.5230

# Complementary

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



168.7270, 73.3220, -51.3020



38.2730, -73.3220, 51.3020

# 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.



181.0070, -8.7640, 37.7000



168.7270, 73.3220, -51.3020



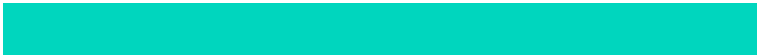
149.4050, -138.2300, -27.9100

# Square

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



168.7270, 73.3220, -51.3020



147.2780, -119.8400, -52.8320



138.8390, -133.2800, -18.4960



161.3520, 65.2800, 50.4320



# Rectangle

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



168.7270, 73.3220, -51.3020



150.5670, -52.5310, -66.7310



138.8390, -133.2800, -18.4960



185.1360, 31.2580, 61.2900

# Sweetspot

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



168.7270, 73.3220, -51.3020



241.0530, 26.8710, -18.9290



65.0850, 114.3840, 52.5920



119.2340, 16.4160, -11.1680



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



168.7270, 73.3220, -51.3020



207.7330, 90.3800, -63.0920



160.6780, 21.1510, -80.4890



102.5720, 4.0810, -2.3750



137.1080, 59.4280, -41.7880



33.3910, 14.5360, -10.1360



# Inverse Universe

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



38.2730, -73.3220, 51.3020



47.2670, -90.3800, 63.0920



46.3220, -21.1510, 80.4890



95.8410, -3.8060, 2.8980



30.8920, -59.4280, 41.7880



7.6090, -14.5360, 10.1360



# Previews

## White Background



This preview shows how the YIQ color 168.7270, 73.3220, -51.3020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

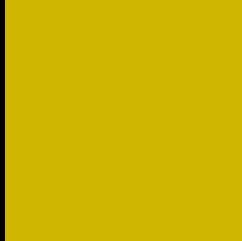
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 168.7270, 73.3220, -51.3020 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](#).

# YIQ 168.7270, 73.3220, -51.3020

## Background



This preview shows how black text looks on a background with the YIQ color 168.7270, 73.3220, -51.3020.



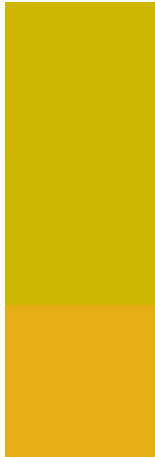
This preview shows how white text looks on a background with the YIQ color 168.7270, 73.3220, -51.3020.

-51.3020.

# 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

168.7270, 73.3220, -51.3020

### Protanopia

169.0580, 70.8920, -51.3160

### Deuteranopia

172.8290, 82.4430, -34.8770



## Tritanopia

184.8340, 24.4350, 14.2190

# Trichromacy



## Original Color

168.7270, 73.3220, -51.3020

## Protanomaly

169.2430, 71.8090, -51.4150

## Deuteranomaly

171.2860, 79.4180, -40.6300

## Tritanomaly

179.0490, 41.8620, -9.7700

# Monochromacy



## Original Color

168.7270, 73.3220, -51.3020

## Achromatopsia

169.0000, -0.0000, -0.0000

## Achromatomaly

169.1670, 26.5500, -18.6180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.7270, 73.3220, -51.3020 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 `rgb(207, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 182, 0)  
}
```

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 rgb(207, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 182, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 168.7270, 73.3220, -51.3020 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 rgb(207, 182, 0) }
```



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

```
.border{ border-color:rgb(207, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 182,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.7270, 73.3220, -51.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 182, 0) }
```

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

```
.background{ background-color: rgb(207,  
182, 0) }
```

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](#).

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