

# Converting Colors

YIQ(60.8490, -4.0020, 72.5580)

Have a look what the booklet for  
YIQ(60.8490, -4.0020, 72.5580)  
contains.

<b>YIQ(60.8490, -4.0020, 72.5580)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(60.8490, -4.0020,  
72.5580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	660FBD
RGB	102, 15, 189
RGB Percent	40%, 6%, 74%
CMY	0.5997, 0.9413, 0.2590
CMYK	0.46, 0.92, 0.00, 0.26
HSL	270°, 85%, 40%
HSV	270°, 92%, 74%
XYZ	14.8401, 6.8426, 48.6608
YIQ	60.8490, -4.0020, 72.5580

# Conversions

## Conversions Part 2

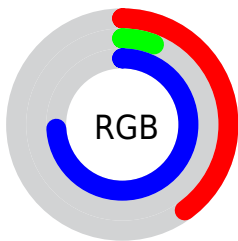
Format	Color
R <sub>Y</sub> B	102, 15, 189
Decimal	6688701
CIE Lab	31.45, 64.73, -71.11
CIE LCh	31, 96.157, 312.312
Yxy	6.8426, 0.2110, 0.0973
Android (android.graphics.Color)	4284878781 (0xFF660FBD)
YUV	60.8490, 63.1784, 36.0894
Hunter-Lab	26.1583, 55.4892, -91.9831

# Details

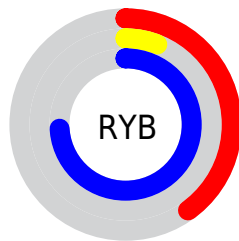
The YIQ color **60.8490, -4.0020, 72.5580** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **143.1510, 4.0020, -72.5580**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.4960, -4.5060, 70.6780**, and **26.0400, -21.5580, 49.3060** is the 20% darker color. If you saturate the color by 10%, you get **49.9510, -4.0490, 78.9190**, and if you desaturate by 10%, it is **74.9920, -3.2670, 64.7410**.

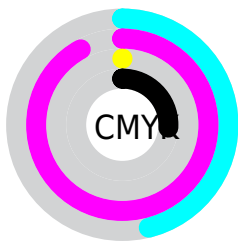
# Distribution



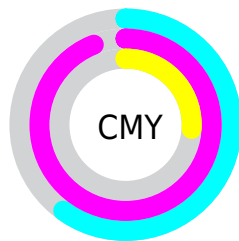
- Red (40%)
- Green (6%)
- Blue (74%)



- Red (40%)
- Yellow (6%)
- Blue (74%)



- Cyan (46%)
- Magenta (92%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (94%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.8490, -4.0020, 72.5580 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 60.8490, -4.0020, 72.5580 by changing the saturation by 10% instead.



60.8490, -4.0020,  
72.5580

60.8490, -4.0020,  
72.5580

255.0000, -0.0000,  
-0.0000

39.5830, -9.3650,  
65.1230

121.3820, -4.1850,  
70.3670

26.0400, -21.5580,  
49.3060

147.8140, 3.1060,  
64.8820

12.3120, -34.6680,  
33.5880

172.6330, 13.5610,  
57.1210

9.4620, -26.6430,  
25.8130

198.0390, 23.7410,  
48.8370

10.1340, -20.2680,  
14.9000

215.6710, 18.4250,  
35.0410


5.2780, -12.1060,  
10.1500

232.6940, 10.4500,


1.2540, -3.5310,


19.8740


3.4210


 249.7170, 2.4750,  
4.7070


 0.0000, 0.0000,  
0.0000

 60.8490, -4.0020,  
72.5580

 60.8490, -4.0020,  
72.5580


 49.9510, -4.0490,  
78.9190

 74.9920, -3.2670,  
64.7410

 88.8360, -3.1280,  
56.7120

 102.6800, -2.9890,  
48.6830

 116.8230, -2.2540,  
40.8660

 130.0800, -1.8400,  
33.3600

■ 144.2230, -1.1050,  
25.5430

■ 158.0670, -0.9660,  
17.5140

■ 172.2100, -0.2310,  
9.6970

■ 186.0540, -0.0920,  
1.6680

# Harmonies

## Analogous

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



71.0770, -94.0420, 30.3260



60.8490, -4.0020, 72.5580



66.8310, 66.3300, 75.4660

# Triad

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



60.8490, -4.0020, 72.5580



68.1980, 60.7960, -0.4840



70.0830, -60.9300, -19.1220

# Complementary

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



60.8490, -4.0020, 72.5580



143.1510, 4.0020, -72.5580

# 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.



59.3330, -33.4160, -44.2000



60.8490, -4.0020, 72.5580



66.0850, 14.6770, -29.2190

# Square

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



60.8490, -4.0020, 72.5580



51.4280, 102.5120, 36.4640



54.0040, -25.3000, -48.1160



78.8780, -84.3170, 2.7470



# Rectangle

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



60.8490, -4.0020, 72.5580



65.9150, 91.9160, 63.3080



54.0040, -25.3000, -48.1160



66.4180, -51.9880, -26.9960

# Sweetspot

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



60.8490, -4.0020, 72.5580



194.3310, -1.2890, 28.8790



85.9050, -79.7790, 8.6130



91.9530, -0.6450, 17.2030



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



60.8490, -4.0020, 72.5580



64.7070, -5.3370, 102.2710



86.8620, 47.8500, 91.0020



87.5210, 0.0910, 3.8590



41.6330, -3.6340, 65.8860



8.0190, -1.0110, 12.8210



# Inverse Universe

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



76.9440, 75.7770, 63.9450



87.1630, 106.8580, 89.8820



117.1380, -47.8500, -91.0020



88.2610, 3.7590, 3.4630



56.2480, 68.8090, 58.0650

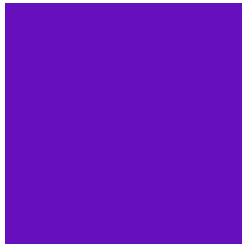


10.9790, 13.6610, 11.2370



# Previews

## White Background



This preview shows how the YIQ color 60.8490, -4.0020, 72.5580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

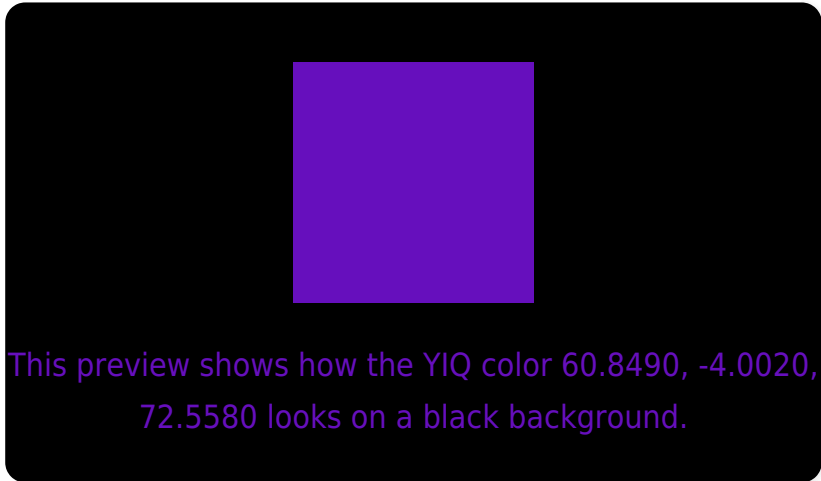
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

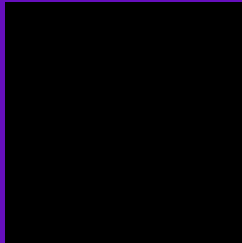
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 60.8490, -4.0020, 72.5580**

## **Background**



This preview shows how black text looks on a background with the YIQ color 60.8490, -4.0020, 72.5580.



This preview shows how white text looks on a background with the YIQ color 60.8490, -4.0020,



# 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

60.8490, -4.0020, 72.5580

### Protanopia

60.2930, -69.1880, 9.4040

### Deuteranopia

60.1330, -63.2260, 0.4700



## Tritanopia

75.5700, -1.6050, 1.5550

# Trichromacy



## Original Color

60.8490, -4.0020, 72.5580

## Protanomaly

60.5110, -45.5340, 32.2740

## Deuteranomaly

60.0890, -41.5900, 26.8740

## Tritanomaly

70.2060, -2.4350, 27.6210

# Monochromacy



## Original Color

60.8490, -4.0020, 72.5580

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

60.8640, -1.4720, 26.6880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.8490, -4.0020, 72.5580 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(102, 15, 189)` looks like.

```
.text, #text, p{  
    color:rgb(102, 15, 189)  
}
```

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(102, 15, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 15, 189) }
```

## Border

The CSS property to change the border of an element to YIQ 60.8490, -4.0020, 72.5580 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(102, 15, 189) }
```



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

```
.border{ border-color:rgb(102, 15, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 15, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 15, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 15, 189);  
box-shadow:4px 4px 4px 4px rgb(102, 15,  
189) }
```

# Background

The CSS property to change the background color of an element to YIQ 60.8490, -4.0020, 72.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 15, 189) }
```

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

```
.background{ background-color: rgb(102, 15,  
189) }
```

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