

# Converting Colors

YIQ(76.5840, -12.2470, 29.2330)

Have a look what the booklet for  
YIQ(76.5840, -12.2470, 29.2330)  
contains.

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# Color

**YIQ(76.5840, -12.2470,  
29.2330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	533D8C
RGB	83, 61, 140
RGB Percent	33%, 24%, 55%
CMY	0.6744, 0.7608, 0.4511
CMYK	0.41, 0.56, 0.00, 0.45
HSL	257°, 39%, 39%
HSV	257°, 56%, 55%
XYZ	9.9694, 7.0693, 25.6392
YIQ	76.5840, -12.2470, 29.2330

# Conversions

## Conversions Part 2

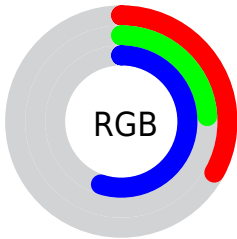
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 61, 140
Decimal	5455244
CIE <sub>Lab</sub>	31.96, 29.06, -40.81
CIE <sub>LCh</sub>	32, 50.096, 305.456
Yxy	7.0693, 0.2336, 0.1656
Android (android.graphics.Color)	4283645324 (0xFF533D8C)
YUV	76.5840, 31.2641, 5.6268
Hunter-Lab	26.5882, 20.4002, -38.5620

# Details

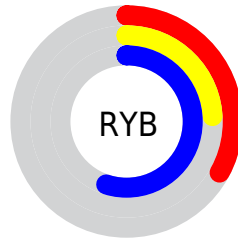
The YIQ color  $76.5840, -12.2470, 29.2330$  is a dark color, and the websafe version is hex  $663399$ . A complement of this color would be  $124.4160, 12.2470, -29.2330$ , and the grayscale version is  $76.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $126.7630, -11.1930, 32.1590$ , and  $29.0950, -15.3640, 25.1480$  is the 20% darker color. If you saturate the color by 10%, you get  $65.3760, -14.3570, 34.4350$ , and if you desaturate by 10%, it is  $87.7920, -10.1370, 24.0310$ .

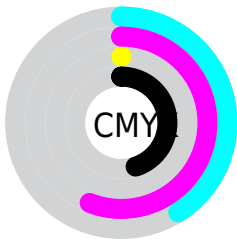
# Distribution



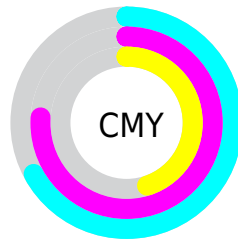
- Red (33%)
- Green (24%)
- Blue (55%)



- Red (33%)
- Yellow (24%)
- Blue (55%)



- Cyan (41%)
- Magenta (56%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (76%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.5840, -12.2470, 29.2330 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 76.5840, -12.2470, 29.2330 by changing the saturation by 10% instead.



■ 76.5840, -12.2470,  
29.2330

■ 76.5840, -12.2470,  
29.2330

■ 255.0000, -0.0000,  
-0.0000

■ 52.3450, -13.0720,  
27.6640

■ 126.7630,  
-11.1930, 32.1590

■ 29.0950, -15.3640,  
25.1480

■ 153.2900,  
-11.2390, 32.9930

■ 8.6060, -18.4810,  
21.0630

■ 180.2300,  
-11.0100, 34.3500

■ 6.5490, -14.3070,  
11.4930

■ 205.2060, -2.4350,  
27.6210

■ 2.8670, -6.6950,  
5.6970

■ 230.3130, 7.1490,  
19.1250

■ 0.0000, 0.0000,  
0.0000

■ 249.1300, 2.7500,

5.2300

■ 76.5840, -12.2470,  
29.2330

■ 76.5840, -12.2470,  
29.2330

■ 65.3760, -14.3570,  
34.4350

■ 87.7920, -10.1370,  
24.0310

■ 54.1680, -16.4670,  
39.6370

■ 99.0000, -8.0270,  
18.8290

■ 42.9600, -18.5770,  
44.8390

■ 110.2080, -5.9170,  
13.6270

■ 31.7520, -20.6870,  
50.0410

■ 121.4160, -3.8070,  
8.4250

■ 27.6210, -21.6960,  
51.8080

■ 132.6240, -1.6970,  
3.2230

■ 144.1310, 1.0090,  
-1.7670

■ 155.3390, 3.1190,  
-6.9690

■ 166.5470, 5.2290,  
-12.1710

■ 177.7550, 7.3390,  
-17.3730

# Harmonies

## Analogous

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



63.3420, -70.8840, 7.1000



76.5840, -12.2470, 29.2330



73.2920, 29.9780, 40.4260

# Triad

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



76.5840, -12.2470, 29.2330



70.7900, 52.9570, -7.0990



63.3520, -51.6220, -22.6140

# Complementary

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



76.5840, -12.2470, 29.2330



124.4160, 12.2470, -29.2330

# 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.



57.3900, -37.5900, -34.6300



76.5840, -12.2470, 29.2330



70.3260, 30.3560, -21.5160

# Square

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



76.5840, -12.2470, 29.2330



68.9770, 60.7010, 17.7650



62.7520, 2.2530, -35.3390



67.6840, -63.8200, -10.7960



# Rectangle

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



76.5840, -12.2470, 29.2330



67.7580, 49.0970, 40.8490



62.7520, 2.2530, -35.3390



61.7560, -47.1280, -26.9680

# Sweetspot

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



76.5840, -12.2470, 29.2330



156.2250, -4.5870, 11.5490



104.0520, -41.3090, -5.7650



76.9600, -2.5230, 7.1810



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



76.5840, -12.2470, 29.2330



82.1880, -19.2190, 45.4610



88.2450, 10.9970, 37.5010



63.3960, -1.0550, 2.6010



26.2250, -20.6410, 49.2070



0.8690, -1.0090, 1.7670



# Inverse Universe

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



91.1190, 28.7870, 34.4750



104.9230, 44.7390, 53.7550



112.7550, -10.9970, -37.5010



64.6630, 2.5670, 3.0390



50.7110, 48.4520, 58.0520



1.9510, 1.6960, 2.3040



# Previews

## White Background



This preview shows how the YIQ color 76.5840, -12.2470, 29.2330 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



This preview shows how the YIQ color 76.5840, -12.2470, 29.2330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

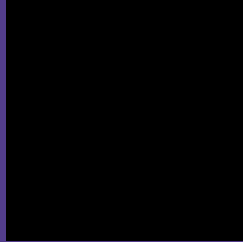
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 76.5840, -12.2470, 29.2330**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.5840, -12.2470, 29.2330.



This preview shows how white text looks on a background with the YIQ color 76.5840, -12.2470,



# 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

76.5840, -12.2470, 29.2330

### Protanopia

65.2620, -58.7350, 12.6970

### Deuteranopia

60.7030, -64.8310, 2.0250



## Tritanopia

74.8900, -5.5020, 0.5940

# Trichromacy



## Original Color

76.5840, -12.2470, 29.2330

## Protanomaly

69.6340, -42.0470, 18.6330

## Deuteranomaly

66.2650, -45.6220, 11.8340

## Tritanomaly

75.8440, -7.8880, 10.8000

# Monochromacy



## Original Color

76.5840, -12.2470, 29.2330

## Achromatopsia

77.0000, -0.0000, -0.0000

## Achromatomaly

76.6980, -4.5410, 10.7150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.5840, -12.2470, 29.2330 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(83, 61, 140)` looks like.

```
.text, #text, p{  
    color:rgb(83, 61, 140)  
}
```

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(83, 61, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 61, 140) }
```

## Border

The CSS property to change the border of an element to YIQ 76.5840, -12.2470, 29.2330 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(83, 61, 140) }
```



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

```
.border{ border-color:rgb(83, 61, 140) }
```

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

Here you see how a box with a 4 pixel rgb(83, 61, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 61, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 61, 140);  
box-shadow:4px 4px 4px 4px rgb(83, 61,  
140) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.5840, -12.2470, 29.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 61, 140) }
```

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

```
.background{ background-color: rgb(83, 61,  
140) }
```

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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