

# Converting Colors

YIQ(70.8840, 3.8030, 13.6830)

Have a look what the booklet for  
YIQ(70.8840, 3.8030, 13.6830)  
contains.

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# Color

**YIQ(70.8840, 3.8030,  
13.6830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	533D5A
RGB	83, 61, 90
RGB Percent	33%, 24%, 35%
CMY	0.6744, 0.7608, 0.6471
CMYK	0.08, 0.32, 0.00, 0.65
HSL	286°, 19%, 30%
HSV	286°, 32%, 35%
XYZ	7.0825, 5.9145, 10.4408
YIQ	70.8840, 3.8030, 13.6830

# Conversions

## Conversions Part 2

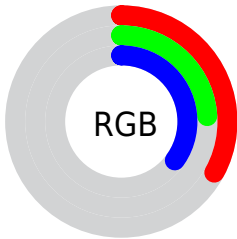
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 61, 90
Decimal	5455194
CIE <sub>Lab</sub>	29.20, 15.59, -13.62
CIE <sub>LCh</sub>	29, 20.704, 318.870
Yxy	5.9145, 0.3022, 0.2523
Android (android.graphics.Color)	4283645274 (0xFF533D5A)
YUV	70.8840, 9.4242, 10.6257
Hunter-Lab	24.3197, 9.4242, -8.4302

# Details

The YIQ color **70.8840, 3.8030, 13.6830** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **80.1160, -3.8030, -13.6830**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.7100, 4.3530, 14.7290**, and **26.6450, 2.9780, 12.1140** is the 20% darker color. If you saturate the color by 10%, you get **65.0030, 5.0860, 17.9660**, and if you desaturate by 10%, it is **76.7650, 2.5200, 9.4000**.

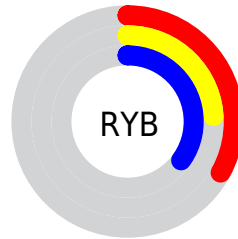
# Distribution



 Red (33%)

 Green (24%)

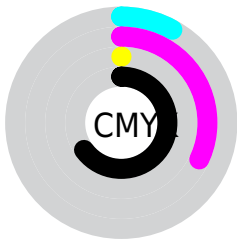
 Blue (35%)



 Red (33%)

 Yellow (24%)

 Blue (35%)

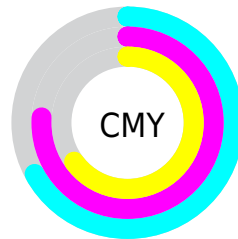


 Cyan (8%)

 Magenta (32%)

 Yellow (0%)

 Black (65%)



 Cyan (67%)

 Magenta (76%)

 Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.8840, 3.8030, 13.6830 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 70.8840, 3.8030, 13.6830 by changing the saturation by 10% instead.



■ 70.8840, 3.8030,  
13.6830

■ 70.8840, 3.8030,  
13.6830

■ 255.0000, -0.0000,  
-0.0000

■ 48.3570, 3.8490,  
12.8490

■ 119.7100, 4.3530,  
14.7290

■ 26.6450, 2.9780,  
12.1140

■ 145.2370, 4.3070,  
15.5630

■ 7.5200, 1.8320,  
10.8560

■ 171.6500, 4.5820,  
16.0860

■ 0.0000, 0.0000,  
0.0000

■ 199.0630, 4.8570,  
16.6090

■ 227.3620, 5.4530,  
16.8210

■ 248.5430, 3.0250,

5.7530

■ 70.8840, 3.8030,  
13.6830

■ 70.8840, 3.8030,  
13.6830

■ 65.0030, 5.0860,  
17.9660

■ 76.7650, 2.5200,  
9.4000

■ 59.1220, 6.3690,  
22.2490

■ 82.6460, 1.2370,  
5.1170

■ 53.2410, 7.6520,  
26.5320

■ 88.8260, 0.5500,  
1.0460

■ 47.0610, 8.3390,  
30.6030

■ 94.7070, -0.7330,  
-3.2370

■ 41.1800, 9.6220,  
34.8860

■ 100.5880, -2.0160,  
-7.5200

■ 35.2990, 10.9050,  
39.1690

■ 106.4690, -3.2990,  
-11.8030

■ 30.5920, 11.6380,  
42.4060

■ 112.3500, -4.5820,  
-16.0860

■ 118.2310, -5.8650,  
-20.3690

■ 124.4110, -6.5520,  
-24.4400

# Harmonies

## Analogous

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



69.1530, -13.2520, 8.8920



70.8840, 3.8030, 13.6830



70.7130, 17.4660, 13.8660

# Triad

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



70.8840, 3.8030, 13.6830



68.0760, 20.0370, -5.2030



54.8030, -45.3420, -15.2780

# Complementary

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



70.8840, 3.8030, 13.6830



80.1160, -3.8030, -13.6830

# 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.



60.9380, -23.7930, -14.8410



70.8840, 3.8030, 13.6830



66.6400, 9.4010, -10.6870

# Square

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



70.8840, 3.8030, 13.6830



69.0540, 26.2710, 2.9670



64.6320, -5.3160, -13.7960



55.3990, -49.8360, -10.9240



# Rectangle

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



70.8840, 3.8030, 13.6830



70.1820, 23.3350, 12.1270



64.6320, -5.3160, -13.7960



56.8100, -38.0520, -15.2360

# Sweetspot

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



70.8840, 3.8030, 13.6830



109.6460, 1.2370, 5.1170



68.4150, -11.2340, 5.3580



54.2930, 0.7330, 3.2370



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



70.8840, 3.8030, 13.6830



87.2960, 5.8190, 21.2030



72.1790, 10.2220, 12.9900



42.7660, 0.7790, 2.4030



37.3570, 14.1580, 51.8060



80.8380, 31.2030, 111.8670



# Inverse Universe

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



70.4690, 15.0370, 8.3250



86.7090, 23.2890, 12.9610



78.8210, -10.2220, -12.9900



42.6090, 2.6590, 1.3710



35.8540, 57.2140, 31.4060



77.3610, 122.9550, 67.9710



# Previews

## White Background



This preview shows how the YIQ color 70.8840, 3.8030, 13.6830 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 70.8840, 3.8030, 13.6830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

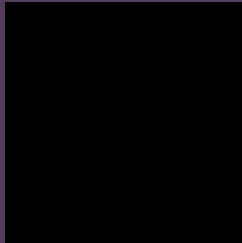
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 70.8840, 3.8030, 13.6830**

## **Background**



This preview shows how black text looks on a background with the YIQ color 70.8840, 3.8030, 13.6830.



This preview shows how white text looks on a background with the YIQ color 70.8840, 3.8030,



# 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

70.8840, 3.8030, 13.6830

### Protanopia

68.9850, -12.8390, 6.9130

### Deuteranopia

69.4970, -8.5290, 5.8950



## Tritanopia

70.0550, 7.3350, 4.7350

# Trichromacy



## Original Color

70.8840, 3.8030, 13.6830

## Protanomaly

69.3880, -6.6040, 9.5560

## Deuteranomaly

69.8290, -3.5320, 8.9480

## Tritanomaly

70.5650, 5.9590, 7.6470

# Monochromacy



## Original Color

70.8840, 3.8030, 13.6830

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

70.6460, 1.2370, 5.1170

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.8840, 3.8030, 13.6830 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(83, 61, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 61, 90) }
```

## Border

The CSS property to change the border of an element to YIQ 70.8840, 3.8030, 13.6830 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, 90) }
```



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

```
.border{ border-color:rgb(83, 61, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 61, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 61, 90);  
box-shadow:4px 4px 4px 4px rgb(83, 61, 90)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 70.8840, 3.8030, 13.6830 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, 90) }
```

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

```
.background{ background-color: rgb(83, 61,  
90) }
```

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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