

# Converting Colors

YIQ(66.0180, 1.8710, 48.7110)

Have a look what the booklet for  
YIQ(66.0180, 1.8710, 48.7110)  
contains.

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# Color

**YIQ(66.0180, 1.8710,  
48.7110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	622293
RGB	98, 34, 147
RGB Percent	38%, 13%, 58%
CMY	0.6155, 0.8668, 0.4236
CMYK	0.33, 0.77, 0.00, 0.42
HSL	274°, 62%, 35%
HSV	274°, 77%, 58%
XYZ	10.8793, 5.8483, 28.1508
YIQ	66.0180, 1.8710, 48.7110

# Conversions

## Conversions Part 2

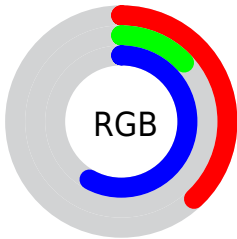
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 34, 147
Decimal	6431379
CIE <sub>Lab</sub>	29.03, 48.69, -49.78
CIE <sub>LCh</sub>	29, 69.631, 314.365
Yxy	5.8483, 0.2424, 0.1303
Android (android.graphics.Color)	4284621459 (0xFF622293)
YUV	66.0180, 39.9241, 28.0482
Hunter-Lab	24.1833, 37.9805, -52.0889

# Details

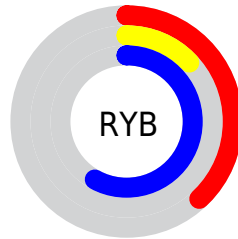
The YIQ color **66.0180, 1.8710, 48.7110** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **114.9820, -1.8710, -48.7110**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.2570, 2.6960, 50.2800**, and **23.6870, -4.8670, 38.6610** is the 20% darker color. If you saturate the color by 10%, you get **55.4190, 2.4200, 55.2840**, and if you desaturate by 10%, it is **76.6170, 1.3220, 42.1380**.

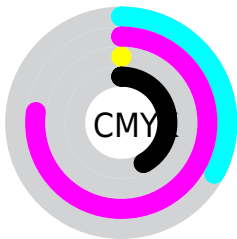
# Distribution



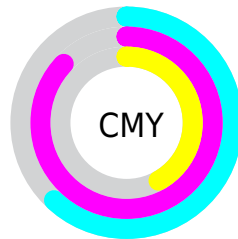
- Red (38%)
- Green (13%)
- Blue (58%)



- Red (38%)
- Yellow (13%)
- Blue (58%)



- Cyan (33%)
- Magenta (77%)
- Yellow (0%)
- Black (42%)



- Cyan (62%)
- Magenta (87%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.0180, 1.8710, 48.7110 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 66.0180, 1.8710, 48.7110 by changing the saturation by 10% instead.



66.0180, 1.8710,  
48.7110

66.0180, 1.8710,  
48.7110

255.0000, -0.0000,  
-0.0000

36.1970, 2.9250,  
51.6370

119.2570, 2.6960,  
50.2800

23.6870, -4.8670,  
38.6610

146.0830, 3.2460,  
51.3260

13.7750, -11.4670,  
26.1090

172.8660, 5.3550,  
51.6510

7.1190, -15.9120,  
13.0480

197.3860, 15.2140,  
43.6780

3.5510, -8.6210,  
7.5630

218.6060, 17.0500,  
32.4260

0.0000, 0.0000,  
0.0000

235.0420, 9.3500,

17.7820

252.0650, 1.3750,  
2.6150

66.0180, 1.8710,  
48.7110

66.0180, 1.8710,  
48.7110

55.4190, 2.4200,  
55.2840

76.6170, 1.3220,  
42.1380

45.1080, 2.0980,  
61.1220

86.9280, 1.6440,  
36.3000

41.5750, 2.2810,  
63.3130

97.5270, 1.0950,  
29.7270

108.4250, 1.1420,  
23.3660

118.4370, 0.8680,  
17.3160

■ 129.0360, 0.3190,  
10.7430

■ 139.9340, 0.3660,  
4.3820

■ 150.5330, -0.1830,  
-2.1910

■ 160.5450, -0.4570,  
-8.2410

# Harmonies

## Analogous

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



59.9800, -75.1960, 19.1720



66.0180, 1.8710, 48.7110



54.9400, 55.2370, 61.7410

# Triad

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



66.0180, 1.8710, 48.7110



64.2780, 48.6470, -6.0810



62.9590, -54.6490, -17.3130

# Complementary

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



66.0180, 1.8710, 48.7110



114.9820, -1.8710, -48.7110

# 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.



55.2870, -35.8020, -33.9940



66.0180, 1.8710, 48.7110



61.6770, 16.0060, -25.7700

# Square

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



66.0180, 1.8710, 48.7110



48.0290, 81.2860, 24.6620



48.7210, -22.8250, -43.4090



68.6590, -70.6990, -1.7630



# Rectangle

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



66.0180, 1.8710, 48.7110



54.1250, 73.3490, 52.8770



48.7210, -22.8250, -43.4090



60.2060, -48.2750, -22.6990

# Sweetspot

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



66.0180, 1.8710, 48.7110



159.4910, 0.7760, 18.9840



75.6450, -49.7480, 9.5160



77.5630, 0.2730, 11.5770



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



66.0180, 1.8710, 48.7110



64.9640, 3.1040, 75.9360



79.7570, 33.6430, 56.6110



68.9940, 0.1370, 3.0250



39.0540, 2.1900, 59.4540



2.9340, 0.3660, 4.3820



# Inverse Universe

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



73.3730, 51.6190, 39.1950



76.2880, 80.5000, 60.9480



101.2430, -33.6430, -56.6110



69.4350, 3.2090, 2.4170



48.1020, 62.9880, 47.9160

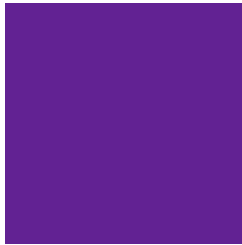


3.4460, 4.6760, 3.3640



# Previews

## White Background



This preview shows how the YIQ color 66.0180, 1.8710, 48.7110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

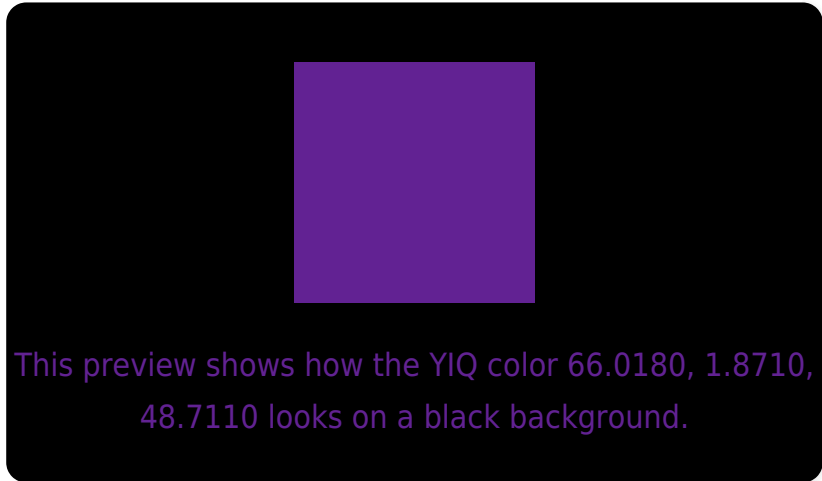
Any Text WCAG AA ✓ Pass

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

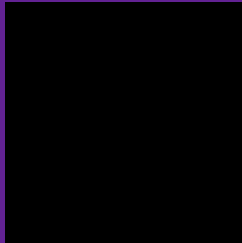
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 66.0180, 1.8710, 48.7110**

## **Background**



This preview shows how black text looks on a background with the YIQ color 66.0180, 1.8710, 48.7110.



This preview shows how white text looks on a background with the YIQ color 66.0180, 1.8710,



# 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

66.0180, 1.8710, 48.7110

### Protanopia

55.4030, -63.6860, 8.8100

### Deuteranopia

55.6990, -59.0080, 1.1200



## Tritanopia

70.2510, 9.7190, 5.5830

# Trichromacy



## Original Color

66.0180, 1.8710, 48.7110

## Protanomaly

59.3510, -39.5720, 23.3400

## Deuteranomaly

59.8580, -36.8660, 18.3500

## Tritanomaly

68.4810, 6.7360, 21.1040

# Monochromacy



## Original Color

66.0180, 1.8710, 48.7110

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.8500, 1.1430, 17.8390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.0180, 1.8710, 48.7110 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(98, 34, 147)` looks like.

```
.text, #text, p{  
    color:rgb(98, 34, 147)  
}
```

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(98, 34, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 34, 147) }
```

## Border

The CSS property to change the border of an element to YIQ 66.0180, 1.8710, 48.7110 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(98, 34, 147) }
```



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

```
.border{ border-color:rgb(98, 34, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 34, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 34, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 34, 147);  
box-shadow:4px 4px 4px 4px rgb(98, 34,  
147) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.0180, 1.8710, 48.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 34, 147) }
```

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

```
.background{ background-color: rgb(98, 34,  
147) }
```

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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