

# Converting Colors

YIQ(68.6480, 17.2320, 40.1440)

Have a look what the booklet for  
YIQ(68.6480, 17.2320, 40.1440)  
contains.

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# Color

**YIQ(68.6480, 17.2320,  
40.1440)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E2676
RGB	110, 38, 118
RGB Percent	43%, 15%, 46%
CMY	0.5684, 0.8511, 0.5372
CMYK	0.07, 0.68, 0.00, 0.54
HSL	294°, 51%, 31%
HSV	294°, 68%, 46%
XYZ	10.3997, 6.0110, 17.7522
YIQ	68.6480, 17.2320, 40.1440

# Conversions

## Conversions Part 2

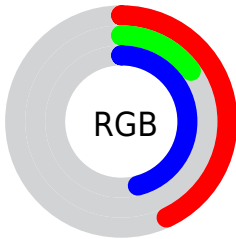
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 38, 118
Decimal	7218806
CIE <sub>Lab</sub>	29.44, 43.28, -30.91
CIE <sub>LCh</sub>	29, 53.190, 324.464
Yxy	6.0110, 0.3044, 0.1760
Android (android.graphics.Color)	4285408886 (0xFF6E2676)
YUV	68.6480, 24.3305, 36.2657
Hunter-Lab	24.5173, 32.8106, -25.7679

# Details

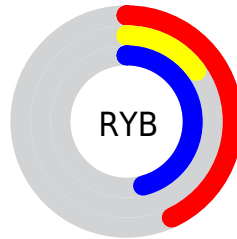
The YIQ color **68.6480, 17.2320, 40.1440** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **87.3520, -17.2320, -40.1440**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **120.7730, 18.3780, 41.4020**, and **25.5070, 13.0150, 33.9670** is the 20% darker color. If you saturate the color by 10%, you get **61.3050, 19.9360, 46.2080**, and if you desaturate by 10%, it is **75.9910, 14.5280, 34.0800**.

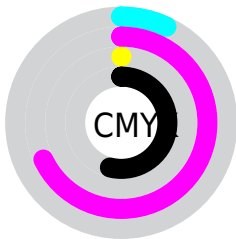
# Distribution



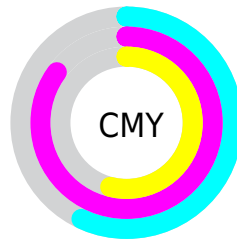
- Red (43%)
- Green (15%)
- Blue (46%)



- Red (43%)
- Yellow (15%)
- Blue (46%)



- Cyan (7%)
- Magenta (68%)
- Yellow (0%)
- Black (54%)



- Cyan (57%)
- Magenta (85%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 68.6480, 17.2320, 40.1440 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 68.6480, 17.2320, 40.1440 by changing the saturation by 10% instead.



68.6480, 17.2320,  
40.1440

68.6480, 17.2320,  
40.1440

255.0000, -0.0000,  
-0.0000

40.4140, 18.0110,  
42.5470

120.7730, 18.3780,  
41.4020

25.5070, 13.0150,  
33.9670

147.4850, 19.2490,  
42.1370

16.7200, 7.5610,  
22.6730

174.3110, 19.7990,  
43.1830

3.3230, -7.9790,  
6.9410

203.0230, 20.6700,  
43.9180

0.0000, 0.0000,  
0.0000

220.3670, 16.2250,  
30.8570

237.3900, 8.2500,

15.6900

254.4130, 0.2750,  
0.5230

■ 68.6480, 17.2320,  
40.1440

■ 68.6480, 17.2320,  
40.1440

■ 61.3050, 19.9360,  
46.2080

■ 75.9910, 14.5280,  
34.0800

■ 53.9620, 22.6400,  
52.2720

■ 83.3340, 11.8240,  
28.0160

■ 47.2060, 25.0690,  
57.8130

■ 90.3890, 9.9910,  
22.6870

■ 45.1460, 25.2980,  
59.1700

■ 97.7320, 7.2870,  
16.6230

■ 105.0750, 4.5830,  
10.5590

■ 112.4180, 1.8790,  
4.4950

■ 119.7610, -0.8250,  
-1.5690

■ 126.5170, -3.2540,  
-7.1100

■ 134.1590, -5.3620,  
-12.9620

# Harmonies

## Analogous

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



65.7810, -37.9670, 21.7850



68.6480, 17.2320, 40.1440



54.3660, 53.4970, 49.2170

# Triad

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



68.6480, 17.2320, 40.1440



65.6630, 36.9570, -14.4910



62.8110, -56.9880, -13.4680

# Complementary

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



68.6480, 17.2320, 40.1440



87.3520, -17.2320, -40.1440

# 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.



57.3220, -42.9100, -26.3180



68.6480, 17.2320, 40.1440



61.0460, 10.4130, -29.0350

# Square

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



68.6480, 17.2320, 40.1440



63.1810, 59.4660, 1.5940



50.4310, -27.6400, -38.7440



65.5130, -67.3520, -1.8480



# Rectangle

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



68.6480, 17.2320, 40.1440



53.0710, 64.2730, 41.1450



50.4310, -27.6400, -38.7440



61.2150, -52.4940, -17.8220

# Sweetspot

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



68.6480, 17.2320, 40.1440



133.9060, 6.7370, 15.5770



51.8160, -27.8800, 20.6960



65.2490, 4.0330, 9.5130



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



68.6480, 17.2320, 40.1440



76.6240, 26.9480, 62.3080



67.3920, 32.2720, 31.8880



55.1790, 1.0540, 2.9260



46.7980, 26.3980, 61.2620



95.7750, 53.8500, 125.4500



# Inverse Universe

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



62.8320, 45.1120, 19.4480



67.4440, 70.0520, 30.0200



88.6080, -32.2720, -31.8880



54.7940, 3.5760, 1.2720



37.8460, 68.8600, 29.5960

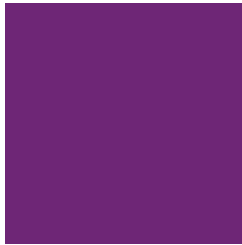


77.6000, 140.9750, 60.7750



# Previews

## White Background



This preview shows how the YIQ color 68.6480, 17.2320, 40.1440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

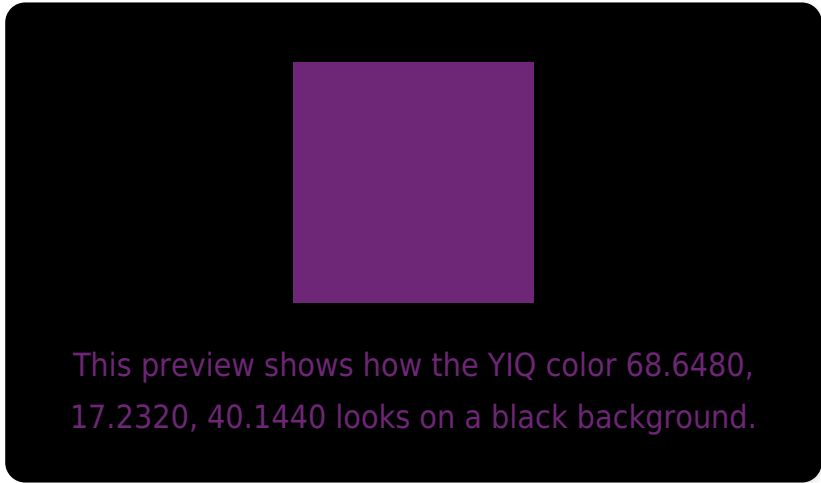
Any Text WCAG AA ✓ Pass

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

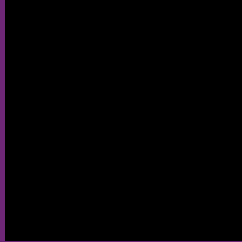
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 68.6480, 17.2320, 40.1440

## Background



This preview shows how black text looks on a background with the YIQ color 68.6480, 17.2320, 40.1440.



This preview shows how white text looks on a background with the YIQ color 68.6480, 17.2320,



# 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

68.6480, 17.2320, 40.1440

### Protanopia

56.3320, -64.9240, 9.2200

### Deuteranopia

68.3130, -28.3820, 7.7620



## Tritanopia

70.6230, 26.4070, 11.5190

# Trichromacy



## Original Color

68.6480, 17.2320, 40.1440

## Protanomaly

60.8090, -35.1700, 20.6540

## Deuteranomaly

68.3740, -12.0160, 19.5360

## Tritanomaly

69.8050, 23.3790, 22.3470

# Monochromacy



## Original Color

68.6480, 17.2320, 40.1440

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

69.0800, 6.1870, 14.5310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 68.6480, 17.2320, 40.1440 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(110, 38, 118)` looks like.

```
.text, #text, p{  
    color:rgb(110, 38, 118)  
}
```

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(110, 38, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 38, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 68.6480, 17.2320, 40.1440 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(110, 38, 118) }
```



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

```
.border{ border-color:rgb(110, 38, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 38, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 38, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 38, 118);  
box-shadow:4px 4px 4px 4px rgb(110, 38,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 68.6480, 17.2320, 40.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 38, 118) }
```

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

```
.background{ background-color: rgb(110, 38,  
118) }
```

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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