

Converting Colors

YIQ(68.8960, 13.8380, 46.5900)

Have a look what the booklet for
YIQ(68.8960, 13.8380, 46.5900)
contains.

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Color

**YIQ(68.8960, 13.8380,
46.5900)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 6F2385 |
| RGB | 111, 35, 133 |
| RGB Percent | 44%, 14%, 52% |
| CMY | 0.5645, 0.8629, 0.4785 |
| CMYK | 0.16, 0.74, 0.00, 0.48 |
| HSL | 287°, 58%, 33% |
| HSV | 287°, 74%, 52% |
| XYZ | 11.3967, 6.2770, 22.7993 |
| YIQ | 68.8960, 13.8380, 46.5900 |

Conversions

Conversions Part 2

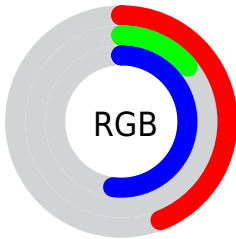
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 111, 35, 133 |
| Decimal | 7283589 |
| CIE _{Lab} | 30.10, 47.85, -39.28 |
| CIE _{LCh} | 30, 61.904, 320.616 |
| Yxy | 6.2770, 0.2816, 0.1551 |
| Android (android.graphics.Color) | 4285473669 (0xFF6F2385) |
| YUV | 68.8960, 31.6033, 36.9252 |
| Hunter-Lab | 25.0540, 37.3525, -36.4165 |

Details

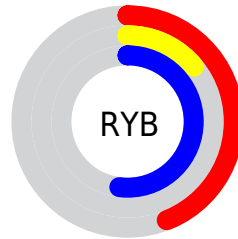
The YIQ color **68.8960, 13.8380, 46.5900** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **99.1040, -13.8380, -46.5900**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **122.0210, 14.9840, 47.8480**, and **27.1030, 8.5210, 38.3210** is the 20% darker color. If you saturate the color by 10%, you get **60.3680, 15.6250, 52.7530**, and if you desaturate by 10%, it is **77.4240, 12.0510, 40.4270**.

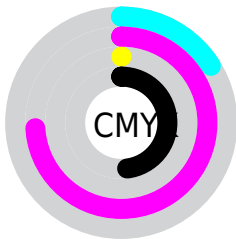
Distribution



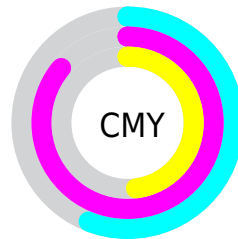
- Red (44%)
- Green (14%)
- Blue (52%)



- Red (44%)
- Yellow (14%)
- Blue (52%)



- Cyan (16%)
- Magenta (74%)
- Yellow (0%)
- Black (48%)



- Cyan (56%)
- Magenta (86%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.8960, 13.8380, 46.5900 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 68.8960, 13.8380, 46.5900 by changing the saturation by 10% instead.

68.8960, 13.8380,
46.5900

68.8960, 13.8380,
46.5900

255.0000, -0.0000,
-0.0000

38.2000, 16.0380,
50.7740

122.0210, 14.9840,
47.8480

27.1030, 8.5210,
38.3210

148.8470, 15.5340,
48.8940

18.0880, 3.7090,
26.4050

176.5590, 16.4050,
49.6290

4.1040, -11.5560,
11.1960

202.4470, 22.4120,
45.3880

1.3680, -3.8520,
3.7320

219.7800, 16.5000,
31.3800

0.0000, 0.0000,
0.0000

236.8030, 8.5250,

16.2130

253.8260, 0.5500,
1.0460

■ 68.8960, 13.8380,
46.5900

■ 68.8960, 13.8380,
46.5900

■ 60.3680, 15.6250,
52.7530

■ 77.4240, 12.0510,
40.4270

■ 51.2530, 17.6870,
59.4390

■ 86.5390, 9.9890,
33.7410

■ 45.9590, 18.6950,
63.1990

■ 95.0670, 8.2020,
27.5780

■ 103.5950, 6.4150,
21.4150

■ 112.1230, 4.6280,
15.2520

■ 121.2380, 2.5660,
8.5660

■ 129.7660, 0.7790,
2.4030

■ 138.2940, -1.0080,
-3.7600

■ 147.4090, -3.0700,
-10.4460

Harmonies

Analogous

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



56.7370, -70.1980, 16.6980



68.8960, 13.8380, 46.5900



53.6860, 58.7680, 58.3200

Triad

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



68.8960, 13.8380, 46.5900



67.4680, 42.0000, -12.2720



64.6860, -58.1340, -14.7260

Complementary

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



68.8960, 13.8380, 46.5900



99.1040, -13.8380, -46.5900

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.



58.3990, -41.8090, -29.7530



68.8960, 13.8380, 46.5900



62.5300, 11.9260, -28.9220

Square

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



68.8960, 13.8380, 46.5900



61.4860, 69.0930, 8.8450



50.4820, -23.6500, -44.9780



68.8870, -71.3410, -1.1410

Rectangle

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



68.8960, 13.8380, 46.5900



51.8320, 72.6160, 49.6400



50.4820, -23.6500, -44.9780



62.7480, -52.6770, -20.0130

Sweetspot

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



68.8960, 13.8380, 46.5900



148.3020, 5.6820, 18.1780



59.6730, -37.7830, 18.4490



72.0040, 3.3450, 10.9690



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



68.8960, 13.8380, 46.5900



73.6100, 21.5360, 72.2880



72.5100, 35.2960, 43.1680



62.1790, 1.0540, 2.9260



45.0190, 18.4660, 61.8420



0.9400, 0.2290, 1.3570

Inverse Universe

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



66.8100, 51.3460, 27.6180



70.3240, 79.6780, 42.7980



95.4900, -35.2960, -43.1680



61.9080, 3.2550, 1.5830



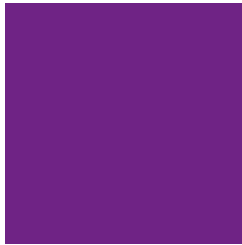
42.1760, 68.1710, 36.5790



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 68.8960, 13.8380, 46.5900 looks on a white background.

Color Contrast Check

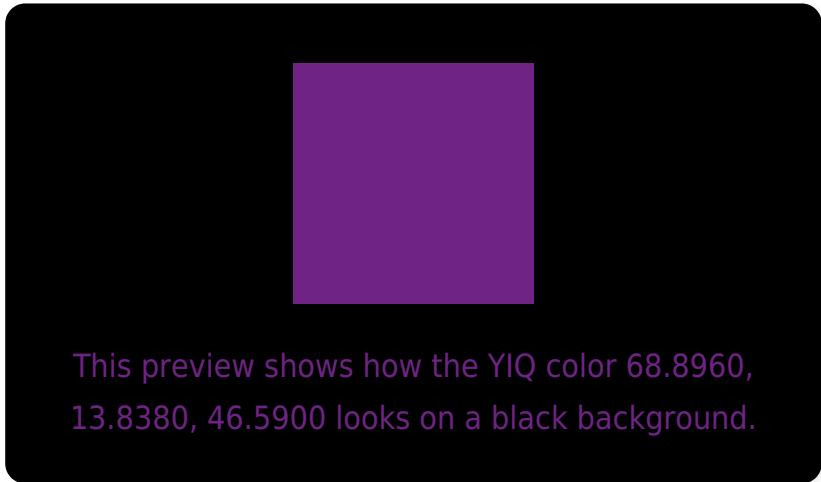
Large Text (above 18pt) WCAG AA ✓ Pass

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

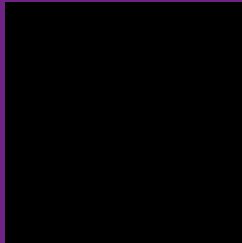
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.8960, 13.8380, 46.5900

Background



This preview shows how black text looks on a background with the YIQ color 68.8960, 13.8380, 46.5900.



This preview shows how white text looks on a background with the YIQ color 68.8960, 13.8380,

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

68.8960, 13.8380, 46.5900

Protanopia

57.2610, -66.1620, 9.6300

Deuteranopia

64.8040, -45.9420, 6.6180



Tritanopia

72.7150, 23.1520, 9.9360

Trichromacy



Original Color

68.8960, 13.8380, 46.5900

Protanomaly

61.6070, -37.4170, 22.8310

Deuteranomaly

66.0830, -24.2580, 21.1340

Tritanomaly

71.4780, 19.9860, 23.2660

Monochromacy



Original Color

68.8960, 13.8380, 46.5900

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

69.0630, 4.8570, 16.6090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.8960, 13.8380, 46.5900 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(111, 35, 133)` looks like.

```
.text, #text, p{  
    color:rgb(111, 35, 133)  
}
```

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(111, 35, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 35, 133) }
```

Border

The CSS property to change the border of an element to YIQ 68.8960, 13.8380, 46.5900 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(111, 35, 133) }
```


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

```
.border{ border-color:rgb(111, 35, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 35, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 35, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 35, 133);  
box-shadow:4px 4px 4px 4px rgb(111, 35,  
133) }
```

Background

The CSS property to change the background color of an element to YIQ 68.8960, 13.8380, 46.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 35, 133) }
```

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

```
.background{ background-color: rgb(111, 35,  
133) }
```

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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