

Converting Colors

YIQ(63.8720, 48.7760, 41.1600)

Have a look what the booklet for
YIQ(63.8720, 48.7760, 41.1600)
contains.

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Color

**YIQ(63.8720, 48.7760,
41.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	881850
RGB	136, 24, 80
RGB Percent	53%, 9%, 31%
CMY	0.4664, 0.9060, 0.6861
CMYK	0.00, 0.82, 0.41, 0.47
HSL	330°, 70%, 31%
HSV	330°, 82%, 53%
XYZ	11.9409, 6.4718, 8.2167
YIQ	63.8720, 48.7760, 41.1600

Conversions

Conversions Part 2

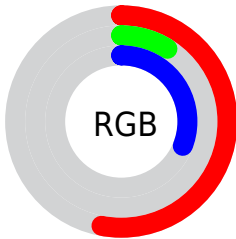
Format	Color
R_{YB}	136, 24, 80
Decimal	8919120
CIE Lab	30.57, 49.68, -4.22
CIE LCh	31, 49.854, 355.146
Yxy	6.4718, 0.4484, 0.2430
Android (android.graphics.Color)	4287109200 (0xFF881850)
YUV	63.8720, 7.9511, 63.2563
Hunter-Lab	25.4397, 39.2650, -1.3421

Details

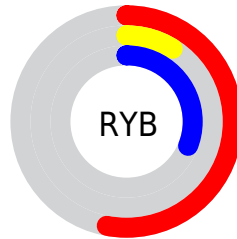
The YIQ color **63.8720, 48.7760, 41.1600** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **96.1280, -48.7760, -41.1600**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.9600, 51.3440, 38.6720**, and **28.3230, 36.7200, 28.3680** is the 20% darker color. If you saturate the color by 10%, you get **54.8560, 54.8730, 46.3050**, and if you desaturate by 10%, it is **72.8880, 42.6790, 36.0150**.

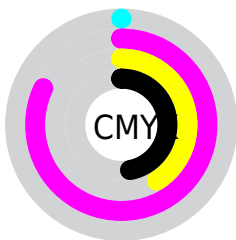
Distribution



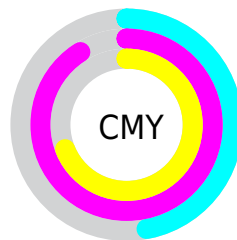
- Red (53%)
- Green (9%)
- Blue (31%)



- Red (53%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (82%)
- Yellow (41%)
- Black (47%)



- Cyan (47%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.8720, 48.7760, 41.1600 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 63.8720, 48.7760, 41.1600 by changing the saturation by 10% instead.

63.8720, 48.7760,
41.1600

63.8720, 48.7760,
41.1600

255.0000, -0.0000,
-0.0000

38.7900, 46.0710,
40.6230

119.9600, 51.3440,
38.6720

28.3230, 36.7200,
28.3680

147.7430, 53.4530,
38.9970

18.6390, 29.4780,
16.4380

175.6400, 55.2410,
39.6330

5.9800, 11.9200,
4.2400

195.7520, 40.0660,
33.8100

0.0000, 0.0000,
0.0000

215.4940, 23.0570,
28.1850

234.4550, 9.6250,

18.3050

251.4780, 1.6500,
3.1380

63.8720, 48.7760,
41.1600

63.8720, 48.7760,
41.1600

54.8560, 54.8730,
46.3050

72.8880, 42.6790,
36.0150

48.4160, 59.2280,
49.9800

81.3170, 36.8570,
31.3930

90.2190, 31.0810,
25.9370

98.6480, 25.2590,
21.3150

107.6640, 19.1620,
16.1700

■ 116.6800, 13.0650,
11.0250

■ 125.1090, 7.2430,
6.4030

■ 134.0110, 1.4670,
0.9470

■ 142.4400, -4.3550,
-3.6750

Harmonies

Analogous

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



72.6540, 17.0950, 37.1190



63.8720, 48.7760, 41.1600



63.6600, 60.5160, 26.6280

Triad

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



63.8720, 48.7760, 41.1600



63.4160, 12.2470, -29.2330



65.9860, -67.3060, -2.6820

Complementary

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



63.8720, 48.7760, 41.1600



96.1280, -48.7760, -41.1600

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.



64.0990, -57.8590, -14.2030



63.8720, 48.7760, 41.1600



53.1040, -31.0330, -37.8250

Square

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



63.8720, 48.7760, 41.1600



68.0220, 37.3240, -15.6360



58.9520, -44.7440, -26.1200



63.4730, -69.8750, 5.3330

Rectangle

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



63.8720, 48.7760, 41.1600



66.3370, 59.3270, 9.6230



58.9520, -44.7440, -26.1200



66.1340, -64.9670, -6.5270

Sweetspot

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



63.8720, 48.7760, 41.1600



147.6640, 19.1620, 16.1700



52.9140, -3.7680, 46.2800



71.6690, 11.5980, 10.0780



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



63.8720, 48.7760, 41.1600



63.9440, 75.7770, 63.9450



57.7160, 66.1100, 24.3660



64.4350, 3.2090, 2.4170



47.2910, 58.0820, 48.7220



1.8370, 2.0170, 1.9930

Inverse Universe

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



63.8720, 48.7760, 41.1600



63.9440, 75.7770, 63.9450



102.2840, -66.1100, -24.3660



64.4350, 3.2090, 2.4170



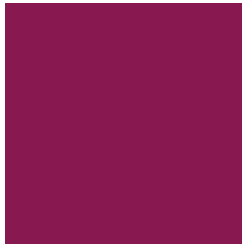
47.2910, 58.0820, 48.7220



1.8370, 2.0170, 1.9930

Previews

White Background



This preview shows how the YIQ color 63.8720, 48.7760, 41.1600 looks on a white background.

Color Contrast Check

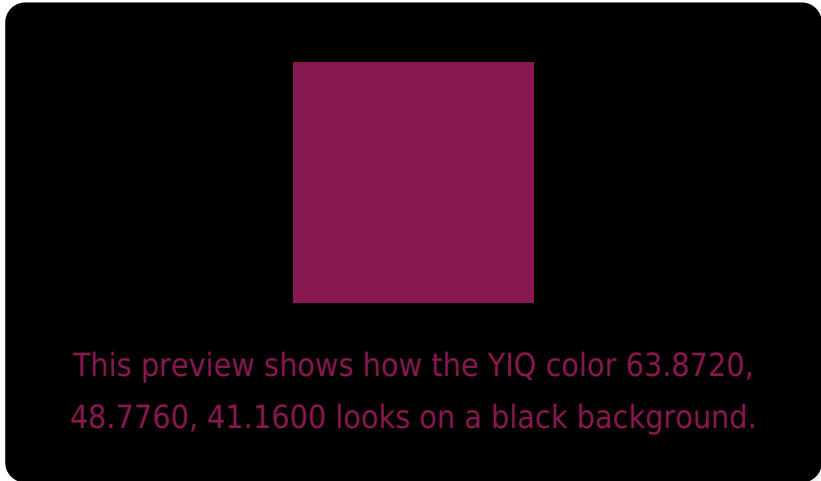
Large Text (above 18pt) WCAG AA ✓ Pass

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

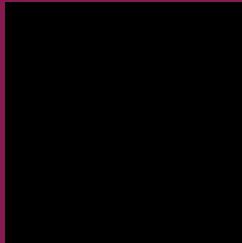
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.8720, 48.7760, 41.1600

Background



This preview shows how black text looks on a background with the YIQ color 63.8720, 48.7760, 41.1600.



This preview shows how white text looks on a background with the YIQ color 63.8720, 48.7760,

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

63.8720, 48.7760, 41.1600

Protanopia

73.6300, -19.0290, 8.9630

Deuteranopia

74.1470, 4.0800, 3.1520



Tritanopia

66.8180, 56.8950, 20.6630

Trichromacy



Original Color

63.8720, 48.7760, 41.1600

Protanomaly

69.8830, 5.5440, 20.6800

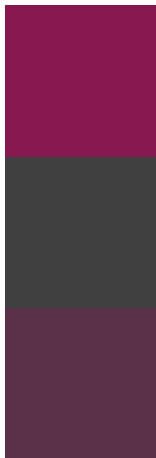
Deuteranomaly

70.3760, 20.0330, 16.9050

Tritanomaly

65.8920, 54.0510, 28.1550

Monochromacy



Original Color

63.8720, 48.7760, 41.1600

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

63.6530, 17.6950, 15.2230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.8720, 48.7760, 41.1600 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(136, 24, 80)` looks like.

```
.text, #text, p{  
    color:rgb(136, 24, 80)  
}
```

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(136, 24, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 24, 80) }
```

Border

The CSS property to change the border of an element to YIQ 63.8720, 48.7760, 41.1600 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(136, 24, 80) }
```


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

```
.border{ border-color:rgb(136, 24, 80) }
```

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

Here you see how a box with a 4 pixel rgb(136, 24, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 24, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 24, 80);  
box-shadow:4px 4px 4px 4px rgb(136, 24,  
80) }
```

Background

The CSS property to change the background color of an element to YIQ 63.8720, 48.7760, 41.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 24, 80) }
```

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

```
.background{ background-color: rgb(136, 24,  
80) }
```

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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