

Converting Colors

YIQ(46.8700, 77.4800, 27.5600)

Have a look what the booklet for
YIQ(46.8700, 77.4800, 27.5600)
contains.

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Color

**YIQ(46.8700, 77.4800,
27.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0808
RGB	138, 8, 8
RGB Percent	54%, 3%, 3%
CMY	0.4585, 0.9688, 0.9683
CMYK	0.00, 0.94, 0.94, 0.46
HSL	360°, 89%, 29%
HSV	360°, 94%, 54%
XYZ	10.6248, 5.6002, 0.7529
YIQ	46.8700, 77.4800, 27.5600

Conversions

Conversions Part 2

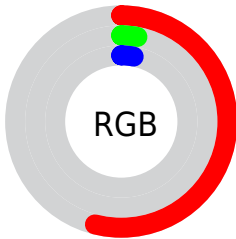
Format	Color
R_{YB}	138, 8, 8
Decimal	9046024
CIE Lab	28.38, 49.56, 38.16
CIE LCh	28, 62.554, 37.595
Yxy	5.6002, 0.6258, 0.3299
Android (android.graphics.Color)	4287236104 (0xFF8A0808)
YUV	46.8700, -19.1629, 79.9210
Hunter-Lab	23.6647, 38.7282, 14.6789

Details

The YIQ color **46.8700, 77.4800, 27.5600** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **99.1300, -77.4800, -27.5600**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **107.8070, 81.7910, 21.0150**, and **23.3220, 46.4880, 16.5360** is the 20% darker color. If you saturate the color by 10%, you get **41.2620, 82.2480, 29.2560**, and if you desaturate by 10%, it is **56.6840, 69.1360, 24.5920**.

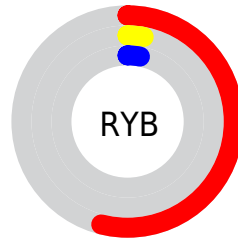
Distribution



Red (54%)

Green (3%)

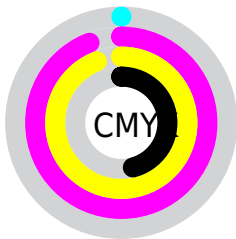
Blue (3%)



Red (54%)

Yellow (3%)

Blue (3%)

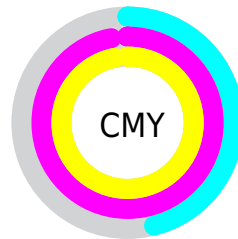


Cyan (0%)

Magenta (94%)

Yellow (94%)

Black (46%)



Cyan (46%)


Magenta (97%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 46.8700, 77.4800, 27.5600 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 46.8700, 77.4800, 27.5600 by changing the saturation by 10% instead.


 46.8700, 77.4800,
27.5600


 46.8700, 77.4800,
27.5600


 252.7200, 6.4200,
-6.2200


 32.2920, 64.3680,
22.8960

 107.8070, 81.7910,
21.0150


 23.3220, 46.4880,
16.5360


 135.5470, 85.4590,
20.6190

 15.7760, 30.3500,
11.6460

 161.7210, 84.9090,
19.5730

 0.0000, 0.0000,
0.0000

 181.0070, 69.1840,
12.7040

 199.8200, 53.4130,
6.6690

 219.9210, 36.7710,

-0.1010

■ 240.1360, 19.8080,
-6.5600

■ 46.8700, 77.4800,
27.5600

■ 46.8700, 77.4800,
27.5600

■ 41.2620, 82.2480,
29.2560

■ 56.6840, 69.1360,
24.5920

■ 66.4980, 60.7920,
21.6240

■ 75.6110, 53.0440,
18.8680

■ 85.4250, 44.7000,
15.9000

■ 95.2390, 36.3560,
12.9320

■ 105.0530, 28.0120,
9.9640

■ 114.8670, 19.6680,
6.9960

■ 123.9800, 11.9200,
4.2400

■ 133.7940, 3.5760,
1.2720

Harmonies

Analogous

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



50.4510, 69.3150, 48.8910



46.8700, 77.4800, 27.5600



62.5390, 52.4060, -2.6180

Triad

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



46.8700, 77.4800, 27.5600



52.2720, -31.4460, -35.8460



59.9000, -72.2150, 14.7050

Complementary

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



46.8700, 77.4800, 27.5600



99.1300, -77.4800, -27.5600

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.



66.0320, -72.9470, 5.9410



46.8700, 77.4800, 27.5600



59.3740, -48.6880, -20.7200

Square

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



46.8700, 77.4800, 27.5600



48.7650, -16.9570, -39.6210



64.7320, -63.7750, -6.1030



66.8540, -12.7070, 37.5730

Rectangle

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



46.8700, 77.4800, 27.5600



63.2820, 33.6560, -15.2400



64.7320, -63.7750, -6.1030



62.8350, -73.5900, 12.0900

Sweetspot

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



46.8700, 77.4800, 27.5600



143.9500, 29.8000, 10.6000



61.0920, 34.5580, 67.5660



67.9700, 17.8800, 6.3600



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.



46.8700, 77.4800, 27.5600



53.5210, 106.6840, 37.9480



83.8510, 60.1550, -5.3890



64.0930, 4.1720, 1.4840



39.7670, 79.2680, 28.1960



1.4950, 2.9800, 1.0600

Inverse Universe

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



46.8700, 77.4800, 27.5600



53.5210, 106.6840, 37.9480



62.1490, -60.1550, 5.3890



64.0930, 4.1720, 1.4840



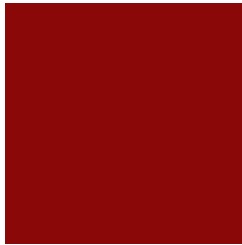
39.7670, 79.2680, 28.1960



1.4950, 2.9800, 1.0600

Previews

White Background



This preview shows how the YIQ color 46.8700, 77.4800, 27.5600 looks on a white background.

Color Contrast Check

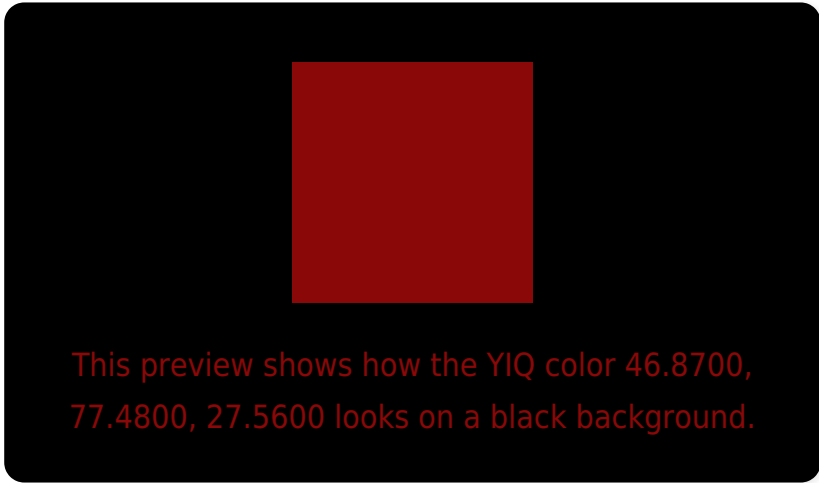
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8700, 77.4800, 27.5600

Background



This preview shows how black text looks on a background with the YIQ color 46.8700, 77.4800, 27.5600.



This preview shows how white text looks on a background with the YIQ color 46.8700, 77.4800,

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

46.8700, 77.4800, 27.5600

Protanopia

66.8060, 20.4970, -13.5430

Deuteranopia

65.0540, 34.2980, -15.8620



Tritanopia

48.0070, 78.3520, 22.7680

Trichromacy



Original Color

46.8700, 77.4800, 27.5600

Protanomaly

59.3130, 41.5390, 1.5950

Deuteranomaly

58.4510, 49.8380, -0.1300

Tritanomaly

47.7620, 77.6640, 24.2240

Monochromacy



Original Color

46.8700, 77.4800, 27.5600

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.0530, 28.0120, 9.9640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.8700, 77.4800, 27.5600 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(138, 8, 8)` looks like.

```
.text, #text, p{  
    color:rgb(138, 8, 8)  
}
```

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(138, 8, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 8, 8) }
```

Border

The CSS property to change the border of an element to YIQ 46.8700, 77.4800, 27.5600 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(138, 8, 8) }
```


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

```
.border{ border-color:rgb(138, 8, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 8, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 8, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(138, 8, 8); box-shadow:4px  
4px 4px 4px rgb(138, 8, 8) }
```

Background

The CSS property to change the background color of an element to YIQ 46.8700, 77.4800, 27.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 8, 8) }
```

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

```
.background{ background-color: rgb(138, 8,  
8) }
```

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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