

Converting Colors

YIQ(49.1800, 88.7110, 38.7830)

Have a look what the booklet for
YIQ(49.1800, 88.7110, 38.7830)
contains.

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Color

**YIQ(49.1800, 88.7110,
38.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0011
RGB	158, 0, 17
RGB Percent	62%, 0%, 7%
CMY	0.3800, 0.9999, 0.9330
CMYK	0.00, 1.00, 0.89, 0.38
HSL	354°, 100%, 31%
HSV	354°, 100%, 62%
XYZ	14.2218, 7.3198, 1.1972
YIQ	49.1800, 88.7110, 38.7830

Conversions

Conversions Part 2

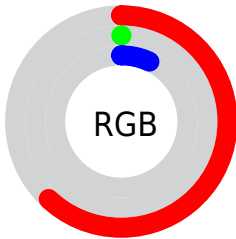
Format	Color
RYB	158, 0, 17
Decimal	10354705
CIELab	32.52, 56.29, 39.19
CIELCh	33, 68.588, 34.846
Yxy	7.3198, 0.6254, 0.3219
Android (android.graphics.Color)	4288544785 (0xFF9E0011)
YUV	49.1800, -15.8647, 95.4351
Hunter-Lab	27.0552, 46.4835, 16.3151

Details

The YIQ color **49.1800, 88.7110, 38.7830** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **108.8200, -88.7110, -38.7830**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.4710, 91.7850, 27.1210**, and **29.0030, 57.8120, 20.5640** is the 20% darker color. If you saturate the color by 10%, you get **49.1800, 88.7110, 38.7830**, and if you desaturate by 10%, it is **60.1680, 79.8170, 34.7690**.

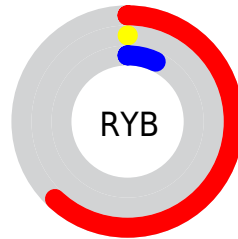
Distribution



Red (62%)

Green (0%)

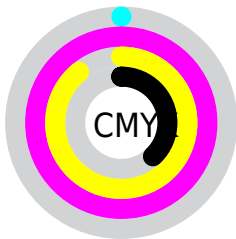
Blue (7%)



Red (62%)

Yellow (0%)

Blue (7%)

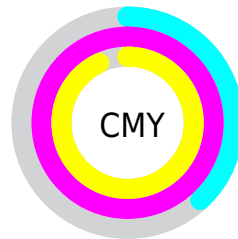


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 49.1800, 88.7110, 38.7830 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 49.1800, 88.7110, 38.7830 by changing the saturation by 10% instead.


 49.1800, 88.7110,
38.7830


 49.1800, 88.7110,
38.7830


 253.8600, 3.2100,
-3.1100

 38.2720, 76.2880,
27.1360


 116.4710, 91.7850,
27.1210


 29.0030, 57.8120,
20.5640

 145.2110, 95.4530,
26.7250


 20.5600, 39.8860,
15.0380

 165.0950, 80.9200,
20.2800

 11.4760, 22.3270,
8.3670

 184.3810, 65.1950,
13.4110

 0.0000, 0.0000,
0.0000

 203.8950, 48.8280,
7.1640

 223.9960, 32.1860,

0.3940

■ 244.7980, 14.9480,
-6.5880

■ 49.1800, 88.7110,
38.7830

■ 60.1680, 79.8170,
34.7690

■ 71.1560, 70.9230,
30.7550

■ 81.5570, 62.3040,
27.2640

■ 92.5450, 53.4100,
23.2500

■ 103.6470, 44.1950,
19.5470

■ 114.6350, 35.3010,
15.5330

■ 125.6230, 26.4070,
11.5190

■ 136.6110, 17.5130,
7.5050

■ 147.0120, 8.8940,
4.0140

Harmonies

Analogous

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



57.6140, 76.4660, 56.9620



49.1800, 88.7110, 38.7830



70.8560, 61.7590, -1.4170

Triad

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



49.1800, 88.7110, 38.7830



58.6150, -34.1500, -41.9100



69.4520, -82.5770, 15.2710

Complementary

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



49.1800, 88.7110, 38.7830



108.8200, -88.7110, -38.7830

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.



75.2420, -82.3460, 5.5740



49.1800, 88.7110, 38.7830



66.5150, -53.6390, -24.6070

Square

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



49.1800, 88.7110, 38.7830



59.7070, -11.0420, -42.1940



73.2580, -71.2480, -8.3360



75.5310, -21.9230, 39.3970

Rectangle

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



49.1800, 88.7110, 38.7830



72.1750, 41.2670, -15.5090



73.2580, -71.2480, -8.3360



72.2730, -83.6310, 12.3450

Sweetspot

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



49.1800, 88.7110, 38.7830



164.2220, 35.0260, 15.0100



59.8720, 32.7220, 78.8180



78.8180, 21.3640, 9.3000



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



49.1800, 88.7110, 38.7830



64.4010, 116.3100, 50.7260



83.0490, 77.3930, 1.5930



73.5060, 4.4470, 2.0070



44.4670, 80.4130, 34.9810



4.7130, 8.2980, 3.8020

Inverse Universe

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



49.1800, 88.7110, 38.7830



64.4010, 116.3100, 50.7260



75.5380, -77.6680, -2.1160



73.5060, 4.4470, 2.0070



44.4670, 80.4130, 34.9810



4.7130, 8.2980, 3.8020

Previews

White Background



This preview shows how the YIQ color 49.1800, 88.7110, 38.7830 looks on a white background.

Color Contrast Check

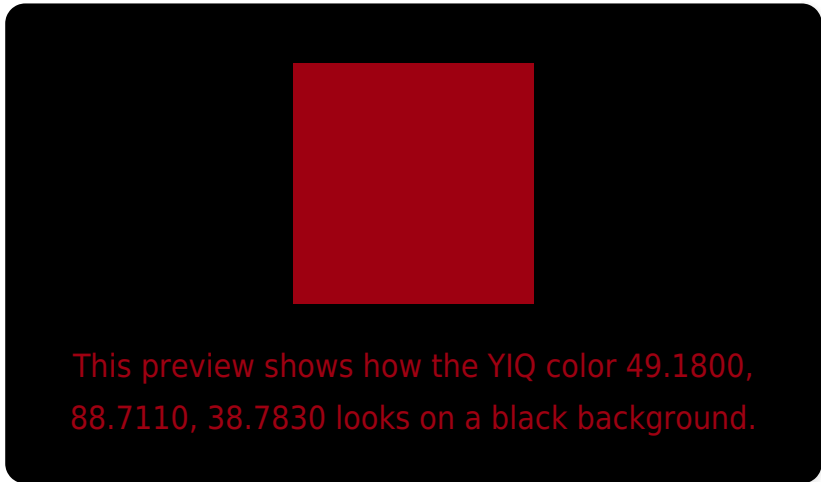
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1800, 88.7110, 38.7830

Background



This preview shows how black text looks on a background with the YIQ color 49.1800, 88.7110, 38.7830.



This preview shows how white text looks on a background with the YIQ color 49.1800, 88.7110,

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

49.1800, 88.7110, 38.7830

Protanopia

77.1050, 21.0930, -13.3310

Deuteranopia

74.8110, 39.2960, -18.3360



Tritanopia

55.1610, 89.7220, 25.9620

Trichromacy



Original Color

49.1800, 88.7110, 38.7830

Protanomaly

66.9870, 45.5730, 5.5810

Deuteranomaly

65.3380, 57.5860, 2.6260

Tritanomaly

52.9100, 89.1710, 30.4430

Monochromacy



Original Color

49.1800, 88.7110, 38.7830

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0260, 32.6420, 14.1620

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.1800, 88.7110, 38.7830 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(158, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 17)  
}
```

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(158, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 17) }
```

Border

The CSS property to change the border of an element to YIQ 49.1800, 88.7110, 38.7830 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(158, 0, 17) }
```


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

```
.border{ border-color:rgb(158, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(158, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.1800, 88.7110, 38.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 17) }
```

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

```
.background{ background-color: rgb(158, 0,  
17) }
```

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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