

Converting Colors

YIQ(55.9880, 89.6720, 48.9040)

Have a look what the booklet for
YIQ(55.9880, 89.6720, 48.9040)
contains.

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Color

**YIQ(55.9880, 89.6720,
48.9040)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0028
RGB	172, 0, 40
RGB Percent	67%, 0%, 16%
CMY	0.3251, 0.9999, 0.8428
CMYK	0.00, 1.00, 0.77, 0.33
HSL	346°, 100%, 34%
HSV	346°, 100%, 67%
XYZ	17.4220, 8.9370, 2.8216
YIQ	55.9880, 89.6720, 48.9040

Conversions

Conversions Part 2

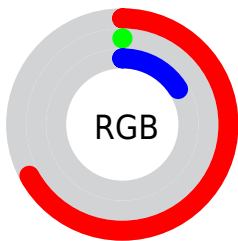
Format	Color
R_{YB}	172, 0, 40
Decimal	11272232
CIE Lab	35.86, 60.48, 30.23
CIE LCh	36, 67.615, 26.560
Yxy	8.9370, 0.5970, 0.3063
Android (android.graphics.Color)	4289462312 (0xFFAC0028)
YUV	55.9880, -7.8821, 101.7425
Hunter-Lab	29.8947, 51.7100, 15.3302

Details

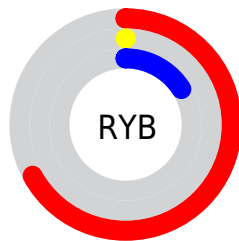
The YIQ color **55.9880, 89.6720, 48.9040** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **116.0120, -89.6720, -48.9040**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **125.7410, 91.3250, 35.4610**, and **33.1890, 66.1560, 23.5320** is the 20% darker color. If you saturate the color by 10%, you get **55.9880, 89.6720, 48.9040**, and if you desaturate by 10%, it is **67.4490, 80.8240, 44.0560**.

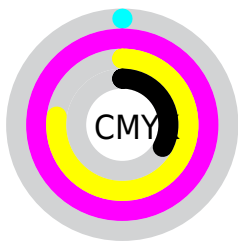
Distribution



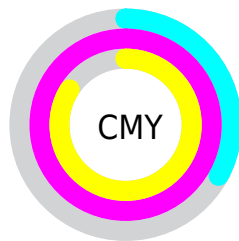
- Red (67%)
- Green (0%)
- Blue (16%)



- Red (67%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 55.9880, 89.6720, 48.9040 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 55.9880, 89.6720, 48.9040 by changing the saturation by 10% instead.


 55.9880, 89.6720,
48.9040


 55.9880, 89.6720,
48.9040


255.0000, -0.0000,
-0.0000


 44.4390, 77.6160,
36.1120


 125.7410, 91.3250,
35.4610


 33.1890, 66.1560,
23.5320

 151.5940, 87.2450,
32.3090


 24.3330, 47.9550,
17.4830

 170.8800, 71.5200,
25.4400

 15.7760, 30.3500,
11.6460

 190.8670, 55.1990,
18.3590

 0.0000, 0.0000,
0.0000

 210.3810, 38.8320,
12.1120

 231.1830, 21.5940,

5.1300

■ 251.3980, 4.6310,
-1.3290

■ 55.9880, 89.6720,
48.9040

■ 67.4490, 80.8240,
44.0560

■ 78.9100, 71.9760,
39.2080

■ 91.0720, 62.5320,
34.1480

■ 102.5330, 53.6840,
29.3000

■ 113.9940, 44.8360,
24.4520

■ 125.4550, 35.9880,
19.6040

■ 137.6170, 26.5440,
14.5440

■ 149.0780, 17.6960,
9.6960

■ 160.5390, 8.8480,
4.8480

Harmonies

Analogous

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



62.0300, 72.6590, 65.3870



55.9880, 89.6720, 48.9040



75.9500, 73.3580, 3.1340

Triad

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



55.9880, 89.6720, 48.9040



61.3560, -32.2230, -49.3030



77.2940, -88.1240, 11.1720

Complementary

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



55.9880, 89.6720, 48.9040



116.0120, -89.6720, -48.9040

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.



80.9980, -84.7750, 0.0330



55.9880, 89.6720, 48.9040



70.8860, -53.5460, -31.8020

Square

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



55.9880, 89.6720, 48.9040



72.5090, 7.2510, -37.8130



77.2700, -71.5220, -14.3860



79.8590, -46.6340, 30.1820

Rectangle

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



55.9880, 89.6720, 48.9040



79.9270, 53.8290, -11.8910



77.2700, -71.5220, -14.3860



79.3000, -88.2610, 8.1470

Sweetspot

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



55.9880, 89.6720, 48.9040



178.8570, 34.7960, 19.1800



59.0760, 23.4600, 81.4760



84.9860, 20.9510, 11.2790



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



55.9880, 89.6720, 48.9040



72.9040, 116.8120, 63.6600



78.4300, 89.8620, 12.4060



80.9190, 4.7220, 2.5300



48.8400, 78.1650, 42.6850



7.4470, 12.1030, 6.4310

Inverse Universe

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



55.9880, 89.6720, 48.9040



72.9040, 116.8120, 63.6600



93.5700, -89.8620, -12.4060



80.9190, 4.7220, 2.5300



48.8400, 78.1650, 42.6850



7.4470, 12.1030, 6.4310

Previews

White Background



This preview shows how the YIQ color 55.9880, 89.6720, 48.9040 looks on a white background.

Color Contrast Check

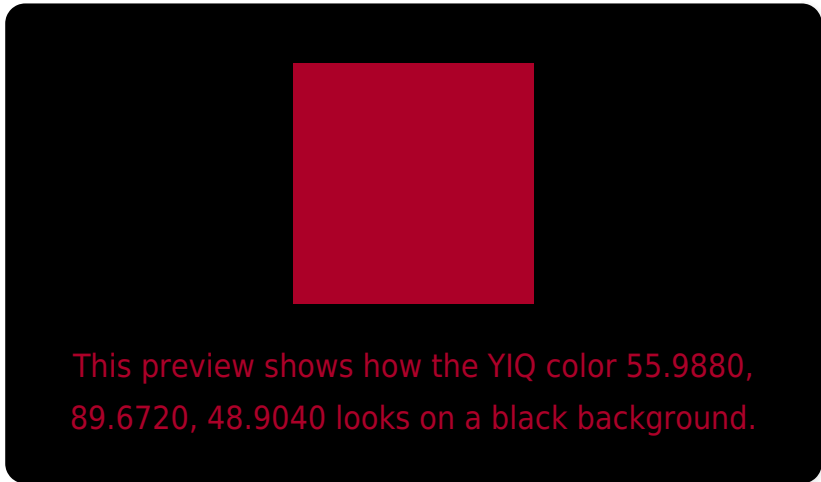
Large Text (above 18pt) WCAG AA ✓ Pass

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

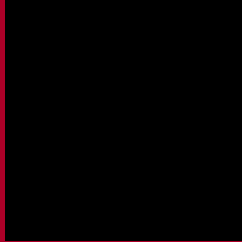
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.9880, 89.6720, 48.9040

Background



This preview shows how black text looks on a background with the YIQ color 55.9880, 89.6720, 48.9040.



This preview shows how white text looks on a background with the YIQ color 55.9880, 89.6720,

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

55.9880, 89.6720, 48.9040

Protanopia

86.1290, 12.5180, -6.6020

Deuteranopia

84.7320, 32.5090, -10.9710



Tritanopia

62.4330, 94.9480, 30.3720

Trichromacy



Original Color

55.9880, 89.6720, 48.9040

Protanomaly

74.8050, 40.5740, 13.5820

Deuteranomaly

74.4550, 53.1830, 10.8390

Tritanomaly

60.1650, 93.0670, 36.9310

Monochromacy



Original Color

55.9880, 89.6720, 48.9040

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

56.1340, 32.4580, 17.4980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.9880, 89.6720, 48.9040 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(172, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 40)  
}
```

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(172, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 40) }
```

Border

The CSS property to change the border of an element to YIQ 55.9880, 89.6720, 48.9040 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(172, 0, 40) }
```


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

```
.border{ border-color:rgb(172, 0, 40) }
```

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

Here you see how a box with a 4 pixel rgb(172, 0, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to YIQ 55.9880, 89.6720, 48.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 40) }
```

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

```
.background{ background-color: rgb(172, 0,  
40) }
```

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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