

# Converting Colors

YIQ(55.5210, 72.2940, 55.4780)

Have a look what the booklet for  
YIQ(55.5210, 72.2940, 55.4780)  
contains.

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# Color

**YIQ(55.5210, 72.2940,  
55.4780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F0046
RGB	159, 0, 70
RGB Percent	62%, 0%, 27%
CMY	0.3760, 0.9999, 0.7253
CMYK	0.00, 1.00, 0.56, 0.38
HSL	334°, 100%, 31%
HSV	334°, 100%, 62%
XYZ	15.4268, 7.8249, 6.5014
YIQ	55.5210, 72.2940, 55.4780

# Conversions

## Conversions Part 2

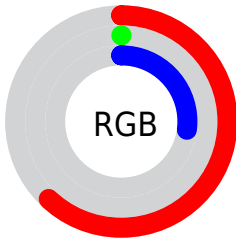
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 0, 70
Decimal	10420294
CIE Lab	33.62, 58.88, 7.37
CIE LCh	34, 59.340, 7.137
Yxy	7.8249, 0.5185, 0.2630
Android (android.graphics.Color)	4288610374 (0xFF9F0046)
YUV	55.5210, 7.1381, 90.7511
Hunter-Lab	27.9730, 49.4880, 5.8010

# Details

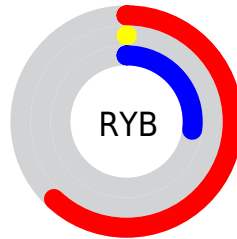
The YIQ color **55.5210, 72.2940, 55.4780** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **103.4790, -72.2940, -55.4780**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.5450, 71.7460, 43.3780**, and **33.0920, 50.6120, 29.9080** is the 20% darker color. If you saturate the color by 10%, you get **55.5210, 72.2940, 55.4780**, and if you desaturate by 10%, it is **65.9390, 65.0050, 49.9090**.

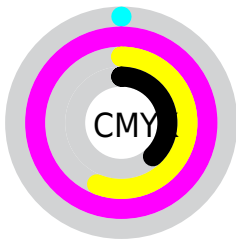
# Distribution



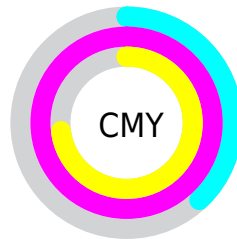
- Red (62%)
- Green (0%)
- Blue (27%)



- Red (62%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.5210, 72.2940, 55.4780 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 55.5210, 72.2940, 55.4780 by changing the saturation by 10% instead.




 55.5210, 72.2940,  
55.4780


 55.5210, 72.2940,  
55.4780


255.0000, -0.0000,  
-0.0000

 44.3420, 62.0720,  
42.4880


 123.5450, 71.7460,  
43.3780


 33.0920, 50.6120,  
29.9080

 152.8010, 73.9010,  
42.8690


 21.9410, 43.1870,  
15.7870

 173.6960, 60.8350,  
37.3710

 13.2700, 25.9030,  
9.6390


 193.2100, 44.4680,  
31.1240


 0.0000, 0.0000,  
0.0000


 212.8380, 27.7800,  
25.1880


 233.1670, 10.4960,


19.0400


 250.8910, 1.9250,  
3.6610


 55.5210, 72.2940,  
55.4780

 65.9390, 65.0050,  
49.9090

 76.3570, 57.7160,  
44.3400

 86.7750, 50.4270,  
38.7710

 97.1930, 43.1380,  
33.2020

 107.6110, 35.8490,  
27.6330

■ 117.3280, 29.1560,  
22.2760

■ 127.7460, 21.8670,  
16.7070

■ 138.1640, 14.5780,  
11.1380

■ 148.5820, 7.2890,  
5.5690

# Harmonies

## Analogous

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



72.2320, 39.3750, 51.8470



55.5210, 72.2940, 55.4780



67.8430, 72.9420, 21.6940

# Triad

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



55.5210, 72.2940, 55.4780



63.2840, -5.3570, -40.5970



74.1020, -79.1360, 2.4640

# Complementary

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



55.5210, 72.2940, 55.4780



103.4790, -72.2940, -55.4780

# 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.



72.9160, -70.2850, -9.2690



55.5210, 72.2940, 55.4780



61.4990, -39.5150, -38.2910

# Square

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



55.5210, 72.2940, 55.4780



73.8590, 30.1730, -23.7070



68.2590, -55.7940, -24.0980



67.9700, -78.4040, 11.2280



# Rectangle

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



55.5210, 72.2940, 55.4780



72.0630, 65.6100, 0.3780



68.2590, -55.7940, -24.0980



74.3640, -77.1180, -1.0700

# Sweetspot

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



55.5210, 72.2940, 55.4780



166.6160, 28.2850, 21.5410



44.4380, 1.4090, 68.1050



80.1860, 17.5120, 13.0320



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.



55.5210, 72.2940, 55.4780



72.2670, 94.1610, 72.1850



52.2370, 92.5640, 29.5240



73.8480, 3.4840, 2.9400



49.9390, 65.0050, 49.9090



5.2830, 6.6930, 5.3570



# Inverse Universe

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



55.5210, 72.2940, 55.4780



72.2670, 94.1610, 72.1850



106.7630, -92.5640, -29.5240



73.8480, 3.4840, 2.9400



49.9390, 65.0050, 49.9090



5.2830, 6.6930, 5.3570



# Previews

## White Background



This preview shows how the YIQ color 55.5210, 72.2940, 55.4780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

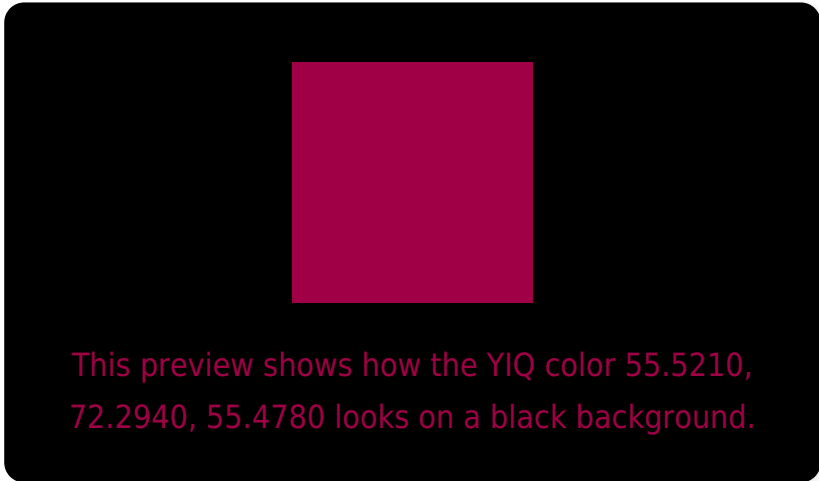
Any Text WCAG AA ✓ Pass

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 55.5210, 72.2940, 55.4780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 55.5210, 72.2940, 55.4780.



This preview shows how white text looks on a background with the YIQ color 55.5210, 72.2940,



# 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

55.5210, 72.2940, 55.4780

### Protanopia

82.1980, -9.1250, 5.6830

### Deuteranopia

82.2590, 15.2680, -1.3720



## Tritanopia

66.4570, 77.2050, 27.0370

# Trichromacy



## Original Color

55.5210, 72.2940, 55.4780

## Protanomaly

72.7770, 20.5820, 23.4780

## Deuteranomaly

72.4550, 35.9880, 19.6040

## Tritanomaly

62.7100, 75.4150, 37.4550

# Monochromacy



## Original Color

55.5210, 72.2940, 55.4780

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

55.8930, 25.9470, 19.8590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.5210, 72.2940, 55.4780 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(159, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 70)  
}
```

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(159, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 70) }
```

## Border

The CSS property to change the border of an element to YIQ 55.5210, 72.2940, 55.4780 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(159, 0, 70) }
```



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

```
.border{ border-color:rgb(159, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 70)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 55.5210, 72.2940, 55.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 70) }
```

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

```
.background{ background-color: rgb(159, 0,  
70) }
```

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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