

Converting Colors

YIQ(55.8060, 31.9470, 54.3070)

Have a look what the booklet for
YIQ(55.8060, 31.9470, 54.3070)
contains.

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Color

**YIQ(55.8060, 31.9470,
54.3070)**

Conversions

Conversions Part 1

Format	Color
Hex	780C71
RGB	120, 12, 113
RGB Percent	47%, 5%, 44%
CMY	0.5291, 0.9531, 0.5568
CMYK	0.00, 0.90, 0.06, 0.53
HSL	304°, 82%, 26%
HSV	304°, 90%, 47%
XYZ	10.8693, 5.4533, 16.1062
YIQ	55.8060, 31.9470, 54.3070

Conversions

Conversions Part 2

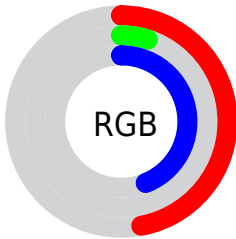
Format	Color
R_{YB}	120, 12, 113
Decimal	7867505
CIE _{Lab}	27.99, 53.09, -29.93
CIE _{LCh}	28, 60.941, 330.586
Yxy	5.4533, 0.3352, 0.1682
Android (android.graphics.Color)	4286057585 (0xFF780C71)
YUV	55.8060, 28.1966, 56.2981
Hunter-Lab	23.3523, 42.2162, -24.5459

Details

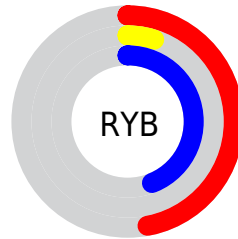
The YIQ color **55.8060, 31.9470, 54.3070** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **76.1940, -31.9470, -54.3070**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **114.5730, 30.9850, 49.7130**, and **27.3290, 19.3880, 34.1080** is the 20% darker color. If you saturate the color by 10%, you get **48.6480, 35.5680, 60.2720**, and if you desaturate by 10%, it is **62.9640, 28.3260, 48.3420**.

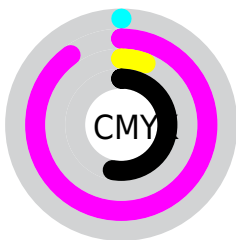
Distribution



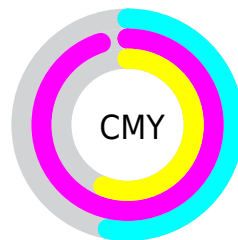
- Red (47%)
- Green (5%)
- Blue (44%)



- Red (47%)
- Yellow (5%)
- Blue (44%)



- Cyan (0%)
- Magenta (90%)
- Yellow (6%)
- Black (53%)



- Cyan (53%)
- Magenta (95%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.8060, 31.9470, 54.3070 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 55.8060, 31.9470, 54.3070 by changing the saturation by 10% instead.

■ 55.8060, 31.9470,
54.3070

■ 55.8060, 31.9470,
54.3070

■ 255.0000, -0.0000,
-0.0000

■ 37.8390, 27.1800,
47.0840

■ 114.8720, 31.5810,
49.9250

■ 27.3290, 19.3880,
34.1080

■ 142.2850, 31.8560,
50.4480

■ 17.9440, 12.7420,
22.3900

■ 169.9970, 32.7270,
51.1830

■ 2.2800, -6.4200,
6.2200


■ 195.6160, 29.4260,
50.4340


■ 0.0000, 0.0000,
0.0000


■ 212.7360, 19.8000,
37.6560


■ 229.7590, 11.8250,


22.4890


 246.7820, 3.8500,
7.3220


 55.8060, 31.9470,
54.3070


 55.8060, 31.9470,
54.3070


 48.6480, 35.5680,
60.2720

 62.9640, 28.3260,
48.3420

 70.1220, 24.7050,
42.3770

 77.1660, 21.4050,
36.1010

 84.3240, 17.7840,
30.1360

 91.4820, 14.1630,
24.1710

■ 98.6400, 10.5420,
18.2060

■ 105.7980, 6.9210,
12.2410

■ 112.8420, 3.6210,
5.9650

■ 120.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



64.1290, -29.8990, 29.7570



55.8060, 31.9470, 54.3070



50.3950, 63.7210, 51.1530

Triad

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



55.8060, 31.9470, 54.3070



62.3740, 30.4010, -16.8230



62.7770, -59.6480, -9.3120

Complementary

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



55.8060, 31.9470, 54.3070



76.1940, -31.9470, -54.3070

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.



56.8320, -44.2860, -23.4060



55.8060, 31.9470, 54.3070



54.1800, -1.8280, -32.9640

Square

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



55.8060, 31.9470, 54.3070



60.2240, 57.9070, 2.3150



49.6160, -26.7230, -38.8430



65.1200, -70.3790, 3.4530

Rectangle

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



55.8060, 31.9470, 54.3070



46.9750, 73.3510, 41.8230



49.6160, -26.7230, -38.8430



61.0670, -54.8330, -13.9770

Sweetspot

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



55.8060, 31.9470, 54.3070



131.0040, 12.5130, 21.0330



25.8070, -31.6880, 34.6480



64.0970, 7.5170, 12.4530



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



55.8060, 31.9470, 54.3070



63.1740, 46.4310, 78.1670



49.8780, 48.6390, 38.1350



57.4780, 1.6500, 3.1380



50.7130, 36.9430, 62.8870



102.2520, 74.4360, 126.8200

Inverse Universe

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



55.8060, 31.9470, 54.3070



63.1740, 46.4310, 78.1670



82.1220, -48.6390, -38.1350



57.4780, 1.6500, 3.1380



50.7130, 36.9430, 62.8870



102.2520, 74.4360, 126.8200

Previews

White Background



This preview shows how the YIQ color 55.8060, 31.9470, 54.3070 looks on a white background.

Color Contrast Check

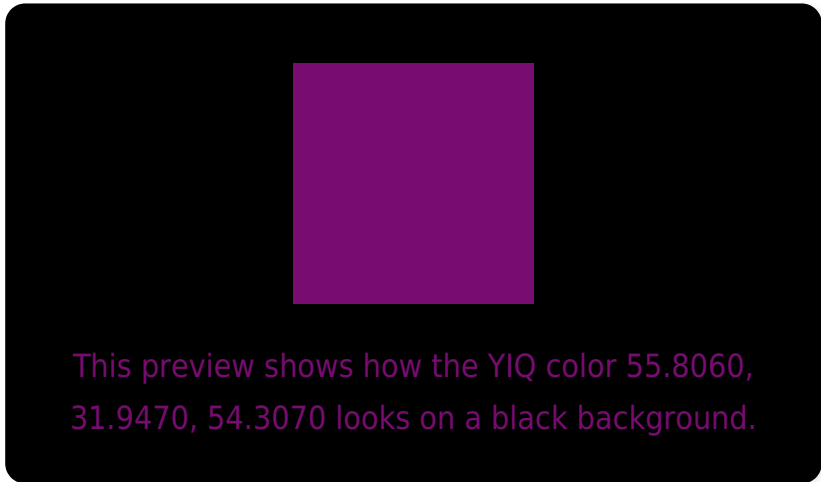
Large Text (above 18pt) WCAG AA ✓ Pass

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

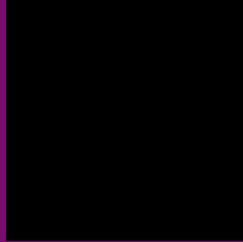
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.8060, 31.9470, 54.3070

Background



This preview shows how black text looks on a background with the YIQ color 55.8060, 31.9470, 54.3070.



This preview shows how white text looks on a background with the YIQ color 55.8060, 31.9470,

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

55.8060, 31.9470, 54.3070

Protanopia

54.7020, -63.0900, 9.0220

Deuteranopia

66.6510, -23.5220, 7.7900



Tritanopia

65.9730, 40.1610, 15.5610

Trichromacy



Original Color

55.8060, 31.9470, 54.3070

Protanomaly

54.9780, -28.1560, 25.7000

Deuteranomaly

63.0270, -3.4890, 24.6950

Tritanomaly

62.2630, 36.9490, 29.7250

Monochromacy



Original Color

55.8060, 31.9470, 54.3070

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

55.8790, 11.3670, 19.7750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.8060, 31.9470, 54.3070 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(120, 12, 113)` looks like.

```
.text, #text, p{  
    color:rgb(120, 12, 113)  
}
```

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(120, 12, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 12, 113) }
```

Border

The CSS property to change the border of an element to YIQ 55.8060, 31.9470, 54.3070 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(120, 12, 113) }
```


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

```
.border{ border-color:rgb(120, 12, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 12, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 12, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 12, 113);  
box-shadow:4px 4px 4px 4px rgb(120, 12,  
113) }
```

Background

The CSS property to change the background color of an element to YIQ 55.8060, 31.9470, 54.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 12, 113) }
```

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

```
.background{ background-color: rgb(120, 12,  
113) }
```

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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