

Converting Colors

YIQ(55.9290, 19.3800, 78.3240)

Have a look what the booklet for
YIQ(55.9290, 19.3800, 78.3240)
contains.

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Color

**YIQ(55.9290, 19.3800,
78.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	7B00A8
RGB	123, 0, 168
RGB Percent	48%, 0%, 66%
CMY	0.5172, 1.0000, 0.3412
CMYK	0.27, 1.00, 0.00, 0.34
HSL	284°, 100%, 33%
HSV	284°, 100%, 66%
XYZ	15.2495, 7.0451, 37.5953
YIQ	55.9290, 19.3800, 78.3240

Conversions

Conversions Part 2

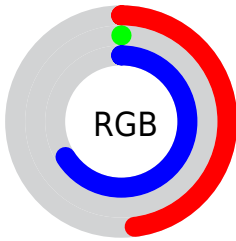
Format	Color
R_{YB}	123, 0, 168
Decimal	8061096
CIE _{Lab}	31.91, 65.19, -57.71
CIE _{LCh}	32, 87.059, 318.482
Yxy	7.0451, 0.2546, 0.1176
Android (android.graphics.Color)	4286251176 (0xFF7B00A8)
YUV	55.9290, 55.2510, 58.8213
Hunter-Lab	26.5426, 56.1041, -65.3994

Details

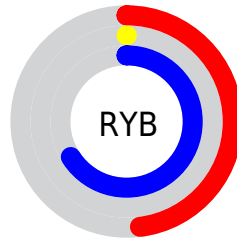
The YIQ color **55.9290, 19.3800, 78.3240** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **112.0710, -19.3800, -78.3240**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.7940, 15.0260, 69.1220**, and **32.8440, 2.4210, 49.7570** is the 20% darker color. If you saturate the color by 10%, you get **55.9290, 19.3800, 78.3240**, and if you desaturate by 10%, it is **67.4030, 17.6850, 70.4930**.

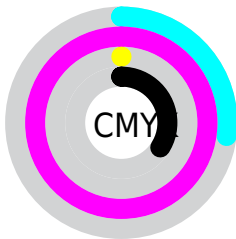
Distribution



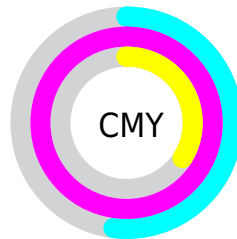
- Red (48%)
- Green (0%)
- Blue (66%)



- Red (48%)
- Yellow (0%)
- Blue (66%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (52%)
- Magenta (100%)
- Yellow (34%)
- Black (14%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.9290, 19.3800, 78.3240 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 55.9290, 19.3800, 78.3240 by changing the saturation by 10% instead.

■ 55.9290, 19.3800,
78.3240

■ 55.9290, 19.3800,
78.3240

■ 255.0000, -0.0000,
-0.0000

■ 44.4790, 11.3590,
63.9910

■ 122.7940, 15.0260,
69.1220

■ 33.1430, 3.0170,
49.9690

■ 151.5060, 15.8970,
69.8570

■ 21.8070, -5.3250,
35.9470

■ 177.1400, 25.4350,
62.1950

■ 7.4100, -20.8650,
20.2150

■ 198.0610, 26.6750,
50.7310

■ 6.5490, -14.3070,
11.4930

■ 214.4970, 18.9750,
36.0870

■ 2.8670, -6.6950,
5.6970

■ 231.5200, 11.0000,

■ 0.0000, 0.0000,

20.9200

0.0000

249.1300, 2.7500,
5.2300

55.9290, 19.3800,
78.3240

67.4030, 17.6850,
70.4930

78.5780, 15.3940,
62.4500

89.4650, 13.9740,
55.1420

100.6400, 11.6830,
47.0990

112.1140, 9.9880,
39.2680

■ 123.2890, 7.6970,
31.2250

■ 134.7630, 6.0020,
23.3940

■ 145.3510, 3.9860,
15.8740

■ 156.5260, 1.6950,
7.8310

Harmonies

Analogous

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



65.5030, -86.6140, 27.8660



55.9290, 19.3800, 78.3240



64.5940, 71.1910, 69.9670

Triad

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



55.9290, 19.3800, 78.3240



71.0670, 50.6190, -8.7810



71.4510, -64.7820, -15.3900

Complementary

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



55.9290, 19.3800, 78.3240



112.0710, -19.3800, -78.3240

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.



62.0690, -41.1200, -36.7360



55.9290, 19.3800, 78.3240



65.1440, 7.0210, -33.6430

Square

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



55.9290, 19.3800, 78.3240



47.5410, 94.7640, 33.7080



55.1780, -25.8500, -49.1620



79.1060, -84.9590, 3.3690

Rectangle

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



55.9290, 19.3800, 78.3240



62.1550, 91.0000, 57.8800



55.1780, -25.8500, -49.1620



68.8290, -57.3990, -22.5430

Sweetspot

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



55.9290, 19.3800, 78.3240



175.7620, 7.7430, 30.3910



47.3280, -67.1280, 27.1440



83.2310, 4.4440, 18.5880



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



55.9290, 19.3800, 78.3240



73.1050, 25.6570, 102.2410



65.2800, 57.7560, 76.6680



78.7060, 1.0080, 3.7600



49.1640, 16.8600, 68.9240



6.7650, 2.5200, 9.4000

Inverse Universe

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



55.3620, 85.6830, 49.6110



72.2070, 111.5850, 64.7770



102.7200, -57.7560, -76.6680



78.6200, 4.1260, 2.3180



48.8120, 75.3680, 43.8160



6.5500, 10.3150, 5.7950

Previews

White Background



This preview shows how the YIQ color 55.9290, 19.3800, 78.3240 looks on a white background.

Color Contrast Check

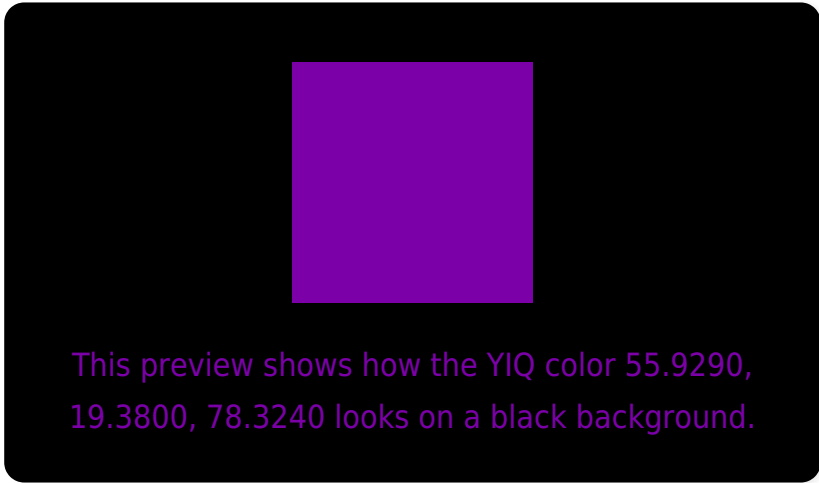
Large Text (above 18pt) WCAG AA ✓ Pass

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

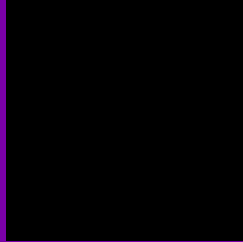
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.9290, 19.3800, 78.3240

Background



This preview shows how black text looks on a background with the YIQ color 55.9290, 19.3800, 78.3240.



This preview shows how white text looks on a background with the YIQ color 55.9290, 19.3800,

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

55.9290, 19.3800, 78.3240

Protanopia

62.0370, -71.3430, 9.9130

Deuteranopia

62.6920, -66.2980, 1.0780



Tritanopia

78.8290, 22.8310, 10.2470

Trichromacy



Original Color

55.9290, 19.3800, 78.3240

Protanomaly

60.0990, -38.3820, 34.8180

Deuteranomaly

60.3780, -35.0340, 29.2060

Tritanomaly

70.5250, 21.7720, 34.9560

Monochromacy



Original Color

55.9290, 19.3800, 78.3240

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

56.1100, 6.6430, 28.2990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.9290, 19.3800, 78.3240 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(123, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 0, 168)  
}
```

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(123, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 0, 168) }
```

Border

The CSS property to change the border of an element to YIQ 55.9290, 19.3800, 78.3240 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(123, 0, 168) }
```


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

```
.border{ border-color:rgb(123, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(123, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 0,  
168) }
```

Background

The CSS property to change the background color of an element to YIQ 55.9290, 19.3800, 78.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 0, 168) }
```

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

```
.background{ background-color: rgb(123, 0,  
168) }
```

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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