

Converting Colors

YIQ(55.9720, 17.8210, 79.0450)

Have a look what the booklet for
YIQ(55.9720, 17.8210, 79.0450)
contains.

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Color

**YIQ(55.9720, 17.8210,
79.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	7A00AB
RGB	122, 0, 171
RGB Percent	48%, 0%, 67%
CMY	0.5212, 1.0000, 0.3295
CMYK	0.29, 1.00, 0.00, 0.33
HSL	283°, 100%, 34%
HSV	283°, 100%, 67%
XYZ	15.3896, 7.0846, 39.0766
YIQ	55.9720, 17.8210, 79.0450

Conversions

Conversions Part 2

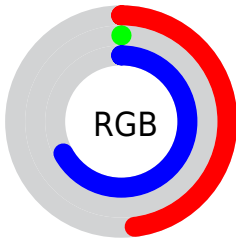
Format	Color
R _Y B	122, 0, 171
Decimal	7995563
CIE Lab	32.00, 65.63, -59.37
CIE LCh	32, 88.500, 317.866
Yxy	7.0846, 0.2500, 0.1151
Android (android.graphics.Color)	4286185643 (0xFF7A00AB)
YUV	55.9720, 56.7088, 57.9066
Hunter-Lab	26.6170, 56.6264, -68.4121

Details

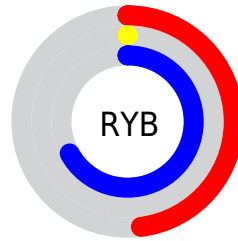
The YIQ color **55.9720, 17.8210, 79.0450** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **115.0280, -17.8210, -79.0450**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.8370, 13.4670, 69.8430**, and **32.7730, 1.1830, 50.1670** is the 20% darker color. If you saturate the color by 10%, you get **55.9720, 17.8210, 79.0450**, and if you desaturate by 10%, it is **67.4460, 16.1260, 71.2140**.

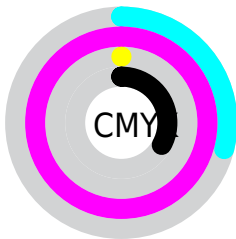
Distribution



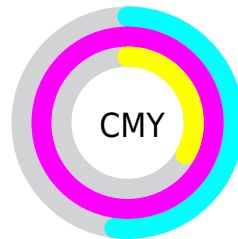
- Red (48%)
- Green (0%)
- Blue (67%)



- Red (48%)
- Yellow (0%)
- Blue (67%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (52%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 55.9720, 17.8210, 79.0450 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 55.9720, 17.8210, 79.0450 by changing the saturation by 10% instead.

■ 55.9720, 17.8210,
79.0450

■ 55.9720, 17.8210,
79.0450

■ 255.0000, -0.0000,
-0.0000

■ 44.5220, 9.8000,
64.7120

■ 123.1360, 14.0630,
70.0550

■ 32.7730, 1.1830,
50.1670

■ 151.4350, 14.6590,
70.2670

■ 21.5510, -7.4800,
36.4560

■ 176.8410, 24.8390,
61.9830

■ 7.6380, -21.5070,
20.8370

■ 198.0610, 26.6750,
50.7310

■ 6.7770, -14.9490,
12.1150

■ 214.4970, 18.9750,
36.0870

■ 3.0950, -7.3370,
6.3190

■ 231.5200, 11.0000,

■ 0.0000, 0.0000,

20.9200

0.0000

■ 249.1300, 2.7500,
5.2300

■ 55.9720, 17.8210,
79.0450

■ 67.4460, 16.1260,
71.2140

■ 78.9200, 14.4310,
63.3830

■ 90.3940, 12.7360,
55.5520

■ 101.8680, 11.0410,
47.7210

■ 113.3420, 9.3460,
39.8900

■ 125.1040, 6.7800,
31.3240

■ 136.5780, 5.0850,
23.4930

■ 148.0520, 3.3900,
15.6620

■ 159.5260, 1.6950,
7.8310

Harmonies

Analogous

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



66.4320, -87.8520, 28.2760



55.9720, 17.8210, 79.0450



65.4200, 71.7410, 71.0130

Triad

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



55.9720, 17.8210, 79.0450



71.0780, 52.0860, -7.8340



72.0380, -65.0570, -15.9130

Complementary

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



55.9720, 17.8210, 79.0450



115.0280, -17.8210, -79.0450

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.



62.4280, -40.7530, -37.8810



55.9720, 17.8210, 79.0450



65.4430, 7.6170, -33.4310

Square

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



55.9720, 17.8210, 79.0450



48.1390, 95.9560, 34.1320



55.1780, -25.8500, -49.1620



79.2200, -85.2800, 3.6800

Rectangle

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



55.9720, 17.8210, 79.0450



62.8670, 91.8710, 58.6150



55.1780, -25.8500, -49.1620



68.7150, -57.0780, -22.8540

Sweetspot

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



55.9720, 17.8210, 79.0450



176.9900, 7.1010, 31.0130



49.4310, -68.9160, 26.5080



85.2310, 4.4440, 18.5880



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.



55.9720, 17.8210, 79.0450



72.5500, 22.9060, 102.5380



66.7470, 57.9390, 78.8590



80.8200, 0.6870, 4.0710



49.0930, 15.6220, 69.3340



7.4060, 2.1530, 10.5450

Inverse Universe

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



56.7150, 86.1870, 51.4910



73.5600, 112.0890, 66.6570



104.2530, -57.9390, -78.8590



81.0330, 4.4010, 2.8410



49.7520, 75.5970, 45.1730



7.6750, 11.4610, 7.0530

Previews

White Background



This preview shows how the YIQ color 55.9720, 17.8210, 79.0450 looks on a white background.

Color Contrast Check

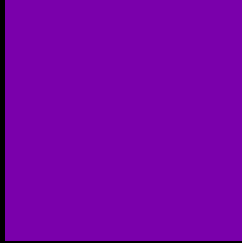
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 55.9720, 17.8210, 79.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

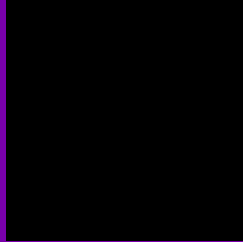
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 55.9720, 17.8210, 79.0450

Background



This preview shows how black text looks on a background with the YIQ color 55.9720, 17.8210, 79.0450.



This preview shows how white text looks on a background with the YIQ color 55.9720, 17.8210,

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

55.9720, 17.8210, 79.0450

Protanopia

62.1510, -71.6640, 10.2240

Deuteranopia

62.6920, -66.2980, 1.0780



Tritanopia

79.2310, 21.6390, 9.8230

Trichromacy



Original Color

55.9720, 17.8210, 79.0450

Protanomaly

59.9140, -39.2990, 34.9170

Deuteranomaly

60.1930, -35.9510, 29.3050

Tritanomaly

71.0410, 20.2590, 34.8430

Monochromacy



Original Color

55.9720, 17.8210, 79.0450

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

56.2240, 6.3220, 28.6100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 55.9720, 17.8210, 79.0450 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(122, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 171)  
}
```

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(122, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 171) }
```

Border

The CSS property to change the border of an element to YIQ 55.9720, 17.8210, 79.0450 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(122, 0, 171) }
```


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

```
.border{ border-color:rgb(122, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 55.9720, 17.8210, 79.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 171) }
```

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

```
.background{ background-color: rgb(122, 0,  
171) }
```

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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