

Converting Colors

YIQ(117.8950, 15.5790, 53.5870)

Have a look what the booklet for
YIQ(117.8950, 15.5790, 53.5870)
contains.

YIQ(117.8950, 15.5790, 53.5870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(117.8950, 15.5790,
53.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	A64FC0
RGB	166, 79, 192
RGB Percent	65%, 31%, 75%
CMY	0.3487, 0.6903, 0.2471
CMYK	0.14, 0.59, 0.00, 0.25
HSL	286°, 47%, 53%
HSV	286°, 59%, 75%
XYZ	28.0478, 17.5069, 51.7662
YIQ	117.8950, 15.5790, 53.5870

Conversions

Conversions Part 2

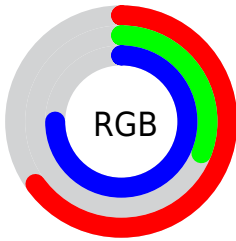
Format	Color
RYB	166, 79, 192
Decimal	10899392
CIELab	48.89, 53.17, -44.21
CIELCh	49, 69.153, 320.257
Yxy	17.5069, 0.2882, 0.1799
Android (android.graphics.Color)	4289089472 (0xFFA64FC0)
YUV	117.8950, 36.5338, 42.1881
Hunter-Lab	41.8412, 46.4334, -44.0652

Details

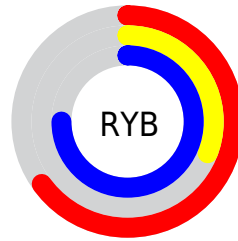
The YIQ color **117.8950, 15.5790, 53.5870** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted purple. A complement of this color would be **153.1050, -15.5790, -53.5870**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **172.5470, 16.6790, 55.6790**, and **62.4220, 15.5330, 54.4210** is the 20% darker color. If you saturate the color by 10%, you get **105.5460, 18.4200, 62.6760**, and if you desaturate by 10%, it is **130.2440, 12.7380, 44.4980**.

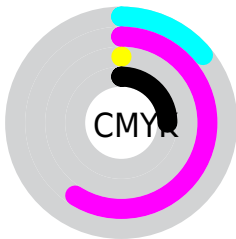
Distribution



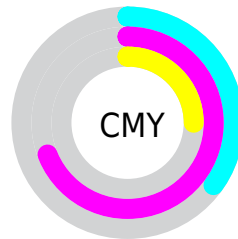
- Red (65%)
- Green (31%)
- Blue (75%)



- Red (65%)
- Yellow (31%)
- Blue (75%)



- Cyan (14%)
- Magenta (59%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (69%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8950, 15.5790, 53.5870 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 117.8950, 15.5790, 53.5870 by changing the saturation by 10% instead.

■ 117.8950, 15.5790,
53.5870

■ 117.8950, 15.5790,
53.5870

255.0000, -0.0000,
-0.0000

■ 90.5960, 14.9830,
53.3750

■ 172.5470, 16.6790,
55.6790

■ 62.4220, 15.5330,
54.4210

■ 198.6370, 24.9330,
49.2610

■ 37.8840, 14.1120,
52.6400

■ 215.6710, 18.4250,
35.0410

■ 27.2600, 6.6410,
39.3530

■ 232.1070, 10.7250,
20.3970

■ 17.6470, 0.6370,
27.0130

■ 249.1300, 2.7500,
5.2300

■ 4.5600, -12.8400,
12.4400

■ 2.5250, -5.7320,

4.7640

0.0000, 0.0000,
0.0000

117.8950, 15.5790,
53.5870

117.8950, 15.5790,
53.5870

105.5460, 18.4200,
62.6760

130.2440, 12.7380,
44.4980

92.8980, 20.6650,
71.5530

142.8920, 10.4930,
35.6210

79.9620, 23.7810,
81.1650

155.8280, 7.3770,
26.0090

67.3140, 26.0260,
90.0420

168.4760, 5.1320,
17.1320

66.1400, 26.5760,
91.0880

180.8250, 2.2910,
8.0430

■ 193.1740, -0.5500,
-1.0460

■ 205.8220, -2.7950,
-9.9230

■ 218.7580, -5.9110,
-19.5350

■ 231.4060, -8.1560,
-28.4120

Harmonies

Analogous

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



108.1000, -66.4860, 26.5220



117.8950, 15.5790, 53.5870



105.8120, 67.3410, 62.6450

Triad

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



117.8950, 15.5790, 53.5870



109.7520, 64.1470, -22.6770



101.0240, -88.8050, -26.0610

Complementary

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



117.8950, 15.5790, 53.5870



153.1050, -15.5790, -53.5870

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.



93.4830, -68.9490, -44.5090



117.8950, 15.5790, 53.5870



104.1720, 27.0130, -43.5390

Square

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



117.8950, 15.5790, 53.5870



107.4850, 88.0290, 7.0770



83.3660, -47.3510, -61.4870



105.0770, -104.3510, -8.6310

Rectangle

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



117.8950, 15.5790, 53.5870



101.7090, 86.3240, 54.5160



83.3660, -47.3510, -61.4870



98.7440, -82.3850, -32.2810

Sweetspot

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



117.8950, 15.5790, 53.5870



220.5950, 6.4150, 21.4150



107.1440, -43.4230, 21.5450



106.7700, 4.1240, 13.3720



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



117.8950, 15.5790, 53.5870



133.2550, 24.5140, 84.4020



122.2490, 40.7050, 49.7690



90.5320, 1.5580, 4.8060



55.4300, 22.2230, 76.3590



11.5360, 4.9030, 15.7750

Inverse Universe

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



115.7510, 59.0020, 32.0420



129.8960, 92.9270, 50.4870



148.7510, -40.7050, -49.7690



90.2180, 5.3180, 2.7420



52.3570, 84.0790, 45.6390



10.7790, 17.1000, 9.4840

Previews

White Background



This preview shows how the YIQ color 117.8950, 15.5790, 53.5870 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 × Fail

Black Background



This preview shows how the YIQ color 117.8950, 15.5790, 53.5870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

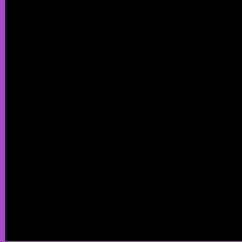
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.8950, 15.5790, 53.5870

Background



This preview shows how black text looks on a background with the YIQ color 117.8950, 15.5790, 53.5870.



This preview shows how white text looks on a background with the YIQ color 117.8950, 15.5790,

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

117.8950, 15.5790, 53.5870

Protanopia

107.2300, -72.9040, 21.6880

Deuteranopia

113.0910, -45.0720, 12.8800



Tritanopia

118.3460, 28.7450, 13.2010

Trichromacy



Original Color

117.8950, 15.5790, 53.5870

Protanomaly

111.3760, -40.7200, 33.1360

Deuteranomaly

114.7830, -23.1130, 27.9190

Tritanomaly

118.2660, 23.6990, 27.5630

Monochromacy



Original Color

117.8950, 15.5790, 53.5870

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.9430, 5.3150, 19.3230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.8950, 15.5790, 53.5870 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(166, 79, 192)` looks like.

```
.text, #text, p{  
    color:rgb(166, 79, 192)  
}
```

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(166, 79, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 79, 192) }
```

Border

The CSS property to change the border of an element to YIQ 117.8950, 15.5790, 53.5870 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(166, 79, 192) }
```


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

```
.border{ border-color:rgb(166, 79, 192) }
```

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

Here you see how a box with a 4 pixel rgb(166, 79, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 79, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 79, 192);  
box-shadow:4px 4px 4px 4px rgb(166, 79,  
192) }
```

Background

The CSS property to change the background color of an element to YIQ 117.8950, 15.5790, 53.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 79, 192) }
```

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

```
.background{ background-color: rgb(166, 79,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor