

Converting Colors

YIQ(58.7510, 8.5580, 87.2300)

Have a look what the booklet for
YIQ(58.7510, 8.5580, 87.2300)
contains.

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Color

**YIQ(58.7510, 8.5580,
87.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	7900C6
RGB	121, 0, 198
RGB Percent	47%, 0%, 78%
CMY	0.5251, 1.0000, 0.2236
CMYK	0.39, 1.00, 0.00, 0.22
HSL	277°, 100%, 39%
HSV	277°, 100%, 78%
XYZ	18.0894, 8.1483, 54.0270
YIQ	58.7510, 8.5580, 87.2300

Conversions

Conversions Part 2

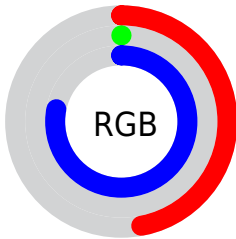
Format	Color
R_{YB}	121, 0, 198
Decimal	7930054
CIE _{Lab}	34.29, 70.84, -71.63
CIE _{LCh}	34, 100.742, 314.682
Yxy	8.1483, 0.2254, 0.1015
Android (android.graphics.Color)	4286120134 (0xFF7900C6)
YUV	58.7510, 68.6498, 54.5924
Hunter-Lab	28.5453, 63.1627, -92.2351

Details

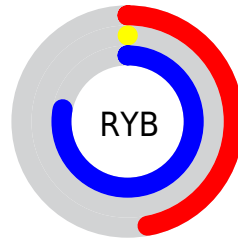
The YIQ color **58.7510, 8.5580, 87.2300** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **139.2490, -8.5580, -87.2300**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **127.5020, 4.5250, 77.7170**, and **34.2420, -10.1430, 57.1930** is the 20% darker color. If you saturate the color by 10%, you get **58.7510, 8.5580, 87.2300**, and if you desaturate by 10%, it is **72.8830, 7.8260, 78.4660**.

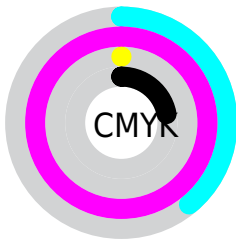
Distribution



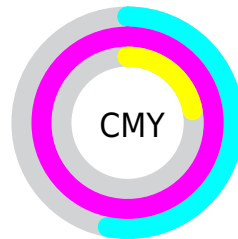
- Red (47%)
- Green (0%)
- Blue (78%)



- Red (47%)
- Yellow (0%)
- Blue (78%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 58.7510, 8.5580, 87.2300 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 58.7510, 8.5580, 87.2300 by changing the saturation by 10% instead.

■ 58.7510, 8.5580,
87.2300

■ 58.7510, 8.5580,
87.2300

■ 255.0000, -0.0000,
-0.0000

■ 46.5890, -0.3340,
72.1620

■ 127.5020, 4.5250,
77.7170

■ 34.2420, -10.1430,
57.1930

■ 153.4950, 14.4300,
68.9100

■ 19.8020, -24.1240,
40.7400

■ 179.2000, 25.2060,
60.8380

■ 10.2600, -28.8900,
27.9900

■ 199.8220, 25.8500,
49.1620

■ 10.4590, -22.5610,
17.9110

■ 216.8450, 17.8750,
33.9950


■ 6.6630, -14.6280,
11.8040

■ 233.8680, 9.9000,


■ 2.9810, -7.0160,


18.8280


6.0080


 250.8910, 1.9250,
3.6610


 0.0000, 0.0000,
0.0000

 58.7510, 8.5580,
87.2300

 72.8830, 7.8260,
78.4660

 86.7160, 6.4980,
69.4900

 100.2610, 6.0410,
61.2490

 114.3930, 5.3090,
52.4850

 128.5250, 4.5770,
43.7210

■ 142.3580, 3.2490,
34.7450

■ 156.4900, 2.5170,
25.9810

■ 170.0350, 2.0600,
17.7400

■ 183.8680, 0.7320,
8.7640

Harmonies

Analogous

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



75.1350, -99.9570, 32.8990



58.7510, 8.5580, 87.2300



72.2560, 75.4990, 80.0030

Triad

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



58.7510, 8.5580, 87.2300



75.2750, 61.8970, -3.9190



76.4890, -67.9450, -18.6410

Complementary

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



58.7510, 8.5580, 87.2300



139.2490, -8.5580, -87.2300

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.



65.3970, -39.4680, -44.6520



58.7510, 8.5580, 87.2300



71.0690, 11.6060, -34.1380

Square

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



58.7510, 8.5580, 87.2300



54.4180, 108.4720, 38.5840



59.2870, -27.7750, -52.8230



86.2130, -92.5700, 3.6380

Rectangle

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



58.7510, 8.5580, 87.2300



70.5140, 100.5350, 66.7990



59.2870, -27.7750, -52.8230



73.2970, -58.9570, -27.3490

Sweetspot

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



58.7510, 8.5580, 87.2300



201.4180, 3.0200, 33.3880



68.9450, -85.2830, 20.2610



95.6160, 1.9220, 20.2420



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



58.7510, 8.5580, 87.2300



75.7140, 11.1210, 112.3770



79.4940, 60.8700, 97.3340



92.8200, 0.6870, 4.0710



48.4820, 7.2770, 71.8930



10.6820, 1.5560, 15.8600

Inverse Universe

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



67.9800, 93.2910, 65.9230



87.5310, 120.2010, 84.8490



118.5060, -60.8700, -97.3340



93.0330, 4.4010, 2.8410



55.9190, 76.9250, 54.1490



12.3600, 16.9620, 11.9860

Previews

White Background



This preview shows how the YIQ color 58.7510, 8.5580, 87.2300 looks on a white background.

Color Contrast Check

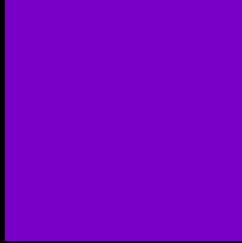
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.7510, 8.5580, 87.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

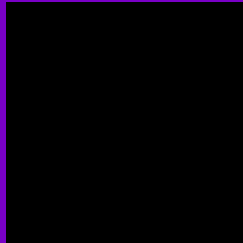
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 58.7510, 8.5580, 87.2300

Background



This preview shows how black text looks on a background with the YIQ color 58.7510, 8.5580, 87.2300.



This preview shows how white text looks on a background with the YIQ color 58.7510, 8.5580,

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

58.7510, 8.5580, 87.2300

Protanopia

66.1120, -75.9280, 10.4080

Deuteranopia

66.4250, -69.9200, 0.6400



Tritanopia

83.9630, 10.5900, 6.3180

Trichromacy



Original Color

58.7510, 8.5580, 87.2300

Protanomaly

63.4990, -45.2600, 38.3240

Deuteranomaly

63.5500, -41.2700, 32.0900

Tritanomaly

74.7070, 9.5760, 35.7200

Monochromacy



Original Color

58.7510, 8.5580, 87.2300

Achromatopsia

59.0000, 0.0000, -0.0000

Achromatomaly

59.3640, 3.1120, 31.7200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 58.7510, 8.5580, 87.2300 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(121, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(121, 0, 198)  
}
```

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(121, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 0, 198) }
```

Border

The CSS property to change the border of an element to YIQ 58.7510, 8.5580, 87.2300 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(121, 0, 198) }
```


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

```
.border{ border-color:rgb(121, 0, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 0, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(121, 0,  
198) }
```

Background

The CSS property to change the background color of an element to YIQ 58.7510, 8.5580, 87.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 0, 198) }
```

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

```
.background{ background-color: rgb(121, 0,  
198) }
```

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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