

Converting Colors

YIQ(63.6950, 2.9640, 89.4920)

Have a look what the booklet for
YIQ(63.6950, 2.9640, 89.4920)
contains.

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Color

**YIQ(63.6950, 2.9640,
89.4920)**

Conversions

Conversions Part 1

Format	Color
Hex	7A05D5
RGB	122, 5, 213
RGB Percent	48%, 2%, 84%
CMY	0.5211, 0.9806, 0.1649
CMYK	0.43, 0.98, 0.00, 0.16
HSL	274°, 95%, 43%
HSV	274°, 98%, 84%
XYZ	20.0999, 9.0548, 63.6138
YIQ	63.6950, 2.9640, 89.4920

Conversions

Conversions Part 2

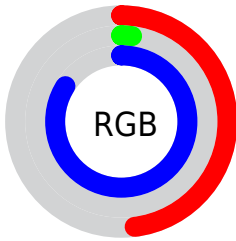
Format	Color
R _Y B	122, 5, 213
Decimal	7996885
CIE Lab	36.09, 73.37, -77.39
CIE LCh	36, 106.636, 313.472
Yxy	9.0548, 0.2167, 0.0976
Android (android.graphics.Color)	4286186965 (0xFF7A05D5)
YUV	63.6950, 73.6074, 51.1335
Hunter-Lab	30.0912, 66.5723, -104.2771

Details

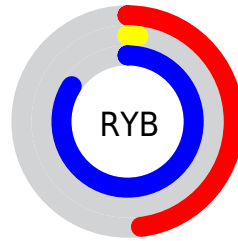
The YIQ color **63.6950, 2.9640, 89.4920** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **154.3050, -2.9640, -89.4920**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.8610, 4.8920, 76.5720**, and **35.2400, -15.8290, 61.1230** is the 20% darker color. If you saturate the color by 10%, you get **60.1620, 3.1470, 91.6830**, and if you desaturate by 10%, it is **78.7130, 2.5530, 80.4170**.

Distribution



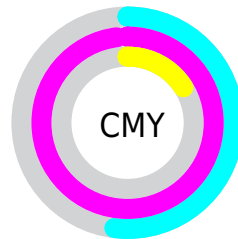
- Red (48%)
- Green (2%)
- Blue (84%)



- Red (48%)
- Yellow (2%)
- Blue (84%)



- Cyan (43%)
- Magenta (98%)
- Yellow (0%)
- Black (16%)





- Cyan (52%)
- Magenta (98%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 63.6950, 2.9640, 89.4920 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 63.6950, 2.9640, 89.4920 by changing the saturation by 10% instead.


 63.6950, 2.9640,
89.4920


 63.6950, 2.9640,
89.4920


255.0000, -0.0000,
-0.0000


 48.2990, -5.1490,
76.8270


 129.8610, 4.8920,
76.5720


 35.2400, -15.8290,
61.1230


 156.1530, 15.3930,
67.9770


 18.1090, -35.1740,
42.7620


 181.5590, 25.5730,
59.6930

 11.8560, -33.3840,
32.3440

 201.5830, 25.0250,
47.5930

 8.8920, -25.0380,
24.2580

 218.6060, 17.0500,
32.4260

 9.0910, -18.7090,
14.1790


 235.6290, 9.0750,


 4.8220, -10.8220,

17.2590

8.9060


 253.2390, 0.8250,
1.5690


 0.4560, -1.2840,
1.2440


 0.0000, 0.0000,
0.0000


 63.6950, 2.9640,
89.4920

 63.6950, 2.9640,
89.4920

 60.1620, 3.1470,
91.6830

 78.7130, 2.5530,
80.4170

 94.6170, 2.4630,
71.0310

 109.6350, 2.0520,
61.9560

 124.6530, 1.6410,
52.8810

■ 139.9700, 1.8260,
44.0180

■ 155.5750, 1.1400,
34.4200

■ 170.5930, 0.7290,
25.3450

■ 185.9100, 0.9140,
16.4820

■ 201.5150, 0.2280,
6.8840

Harmonies

Analogous

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



80.7260, -106.0550, 33.2810



63.6950, 2.9640, 89.4920



76.5000, 77.9280, 85.5440

Triad

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



63.6950, 2.9640, 89.4920



78.8520, 67.5820, -2.3220



80.3530, -70.5580, -20.8460

Complementary

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



63.6950, 2.9640, 89.4920



154.3050, -2.9640, -89.4920

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.



68.4630, -39.8340, -49.0340



63.6950, 2.9640, 89.4920



75.5100, 14.6780, -34.7460

Square

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



63.6950, 2.9640, 89.4920



58.0060, 115.6240, 41.1280



62.2220, -29.1500, -55.4380



90.8750, -97.4300, 3.6100

Rectangle

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



63.6950, 2.9640, 89.4920



74.9000, 105.4400, 71.5200



62.2220, -29.1500, -55.4380



76.3460, -60.6530, -29.6530

Sweetspot

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



63.6950, 2.9640, 89.4920



201.9940, 1.2780, 31.9180



83.8900, -92.6180, 15.5260



95.6050, 0.4550, 19.2950



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.



63.6950, 2.9640, 89.4920



72.1260, 3.9690, 109.8330



89.7640, 60.4100, 105.6740



99.0480, 0.0450, 4.6930



48.1980, 2.3250, 73.5330



12.0780, 0.5010, 18.4610

Inverse Universe

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



77.5660, 94.7570, 72.3970



88.8990, 116.3490, 88.5810



128.2360, -60.4100, -105.6740



99.8590, 4.9510, 3.8870



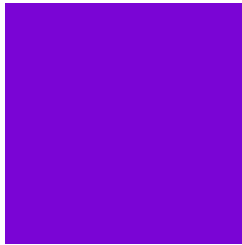
59.6790, 77.8410, 59.5770



15.0230, 19.5290, 15.0250

Previews

White Background



This preview shows how the YIQ color 63.6950, 2.9640, 89.4920 looks on a white background.

Color Contrast Check

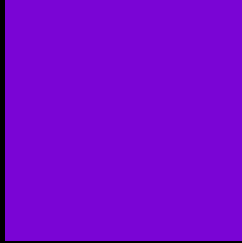
Large Text (above 18pt) WCAG AA ✓ Pass

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 63.6950, 2.9640, 89.4920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

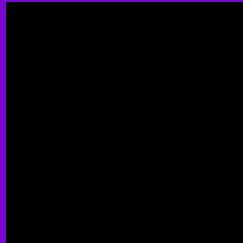
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.6950, 2.9640, 89.4920

Background



This preview shows how black text looks on a background with the YIQ color 63.6950, 2.9640, 89.4920.



This preview shows how white text looks on a background with the YIQ color 63.6950, 2.9640,

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

63.6950, 2.9640, 89.4920

Protanopia

69.3720, -79.5960, 10.8040

Deuteranopia

69.4570, -72.9460, 0.4140



Tritanopia

87.0870, 4.3090, 4.5090

Trichromacy



Original Color

63.6950, 2.9640, 89.4920



Protanomaly

66.9870, -49.5700, 39.3420



Deuteranomaly

67.0380, -45.5800, 33.1080



Tritanomaly

78.7710, 3.5240, 35.2680

Monochromacy



Original Color

63.6950, 2.9640, 89.4920



Achromatopsia

64.0000, -0.0000, -0.0000



Achromatomaly

64.1080, 0.9570, 32.2290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.6950, 2.9640, 89.4920 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, 5, 213)` looks like.

```
.text, #text, p{  
    color:rgb(122, 5, 213)  
}
```

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, 5, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 5, 213) }
```

Border

The CSS property to change the border of an element to YIQ 63.6950, 2.9640, 89.4920 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, 5, 213) }
```


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

```
.border{ border-color:rgb(122, 5, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 5, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 5, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 5, 213);  
box-shadow:4px 4px 4px 4px rgb(122, 5,  
213) }
```

Background

The CSS property to change the background color of an element to YIQ 63.6950, 2.9640, 89.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 5, 213) }
```

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

```
.background{ background-color: rgb(122, 5,  
213) }
```

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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