

Converting Colors

YIQ(89.1220, -9.6850, 59.9070)

Have a look what the booklet for
YIQ(89.1220, -9.6850, 59.9070)
contains.

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Color

**YIQ(89.1220, -9.6850,
59.9070)**

Conversions

Conversions Part 1

Format	Color
Hex	7535CA
RGB	117, 53, 202
RGB Percent	46%, 21%, 79%
CMY	0.5409, 0.7923, 0.2080
CMYK	0.42, 0.74, 0.00, 0.21
HSL	266°, 58%, 50%
HSV	266°, 74%, 79%
XYZ	19.2724, 10.5924, 56.8815
YIQ	89.1220, -9.6850, 59.9070

Conversions

Conversions Part 2

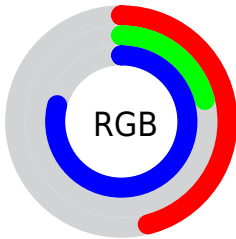
Format	Color
R_{YB}	117, 53, 202
Decimal	7681482
CIE _{Lab}	38.89, 57.17, -66.45
CIE _{LCh}	39, 87.656, 310.708
Yxy	10.5924, 0.2222, 0.1221
Android (android.graphics.Color)	4285871562 (0xFF7535CA)
YUV	89.1220, 55.6489, 24.4490
Hunter-Lab	32.5460, 48.7449, -80.8405

Details

The YIQ color **89.1220, -9.6850, 59.9070** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **165.8780, 9.6850, -59.9070**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.6170, -6.7050, 60.9670**, and **33.8010, -13.2150, 57.8010** is the 20% darker color. If you saturate the color by 10%, you get **74.0930, -10.7410, 68.0350**, and if you desaturate by 10%, it is **104.4500, -8.0330, 51.9910**.

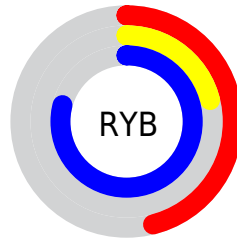
Distribution



Red (46%)

Green (21%)

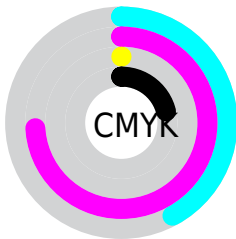
Blue (79%)



Red (46%)

Yellow (21%)

Blue (79%)

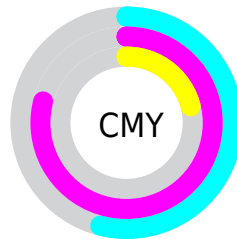


Cyan (42%)

Magenta (74%)

Yellow (0%)

Black (21%)



Cyan (54%)

Magenta (79%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.1220, -9.6850, 59.9070 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 89.1220, -9.6850, 59.9070 by changing the saturation by 10% instead.

■ 89.1220, -9.6850,
59.9070

■ 89.1220, -9.6850,
59.9070

■ 255.0000, -0.0000,
-0.0000

■ 60.8230, -10.2810,
59.6950

■ 143.6170, -6.7050,
60.9670

■ 33.8010, -13.2150,
57.8010

■ 167.8490, 4.0250,
53.7290

■ 18.7630, -28.3880,
40.9240

■ 192.6680, 14.4800,
45.9680

■ 10.8300, -30.4950,
29.5450

■ 215.0840, 18.7000,
35.5640

■ 8.5670, -22.7450,
21.2470

■ 232.1070, 10.7250,
20.3970

■ 7.5920, -15.8660,
12.2140

■ 249.1300, 2.7500,

■ 3.4370, -8.3000,

5.2300

7.2520

■ 0.0000, 0.0000,
0.0000

■ 89.1220, -9.6850,
59.9070

■ 89.1220, -9.6850,
59.9070

■ 74.0930, -10.7410,
68.0350

■ 104.4500, -8.0330,
51.9910

■ 58.7650, -12.3930,
75.9510

■ 119.4790, -6.9770,
43.8630

■ 49.0410, -12.9900,
81.2660

■ 135.3940, -5.6000,
35.4240

■ 150.4230, -4.5440,
27.2960

■ 165.7510, -2.8920,
19.3800

■ 180.7800, -1.8360,
11.2520

■ 196.1080, -0.1840,
3.3360

■ 211.7240, 0.5970,
-5.3150

■ 227.0520, 2.2490,
-13.2310

Harmonies

Analogous

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



82.0820, -101.6060, 24.2340



89.1220, -9.6850, 59.9070



72.4710, 67.7040, 83.6080

Triad

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



89.1220, -9.6850, 59.9070



85.6410, 69.5540, -5.0220



82.4900, -69.6860, -25.6380

Complementary

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



89.1220, -9.6850, 59.9070



165.8780, 9.6850, -59.9070

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.



72.5380, -44.4190, -48.5390



89.1220, -9.6850, 59.9070



83.5500, 26.3690, -31.8630

Square

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



89.1220, -9.6850, 59.9070



57.1090, 113.8360, 40.4920



64.5700, -30.2500, -57.5300



90.3560, -91.8350, -4.1790

Rectangle

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



89.1220, -9.6850, 59.9070



72.4950, 93.5190, 72.8070



64.5700, -30.2500, -57.5300



79.1670, -61.7070, -32.5790

Sweetspot

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



89.1220, -9.6850, 59.9070



212.5600, -3.6720, 22.5040



121.0550, -71.7540, 0.8380



102.3610, -1.9740, 13.7540



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.



89.1220, -9.6850, 59.9070



83.1800, -14.4590, 91.3730



110.9490, 33.8230, 75.3830



94.3360, -0.8260, 3.9580



40.1530, -10.9700, 66.6780



9.1160, -2.6620, 15.2100

Inverse Universe

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



107.2410, 61.5190, 58.0230



110.5790, 93.8830, 88.2430



144.0510, -33.8230, -75.3830



95.6740, 4.0340, 3.9860



60.3500, 68.7620, 64.4260



13.8700, 15.5860, 14.8980

Previews

White Background



This preview shows how the YIQ color 89.1220, -9.6850, 59.9070 looks on a white background.

Color Contrast Check

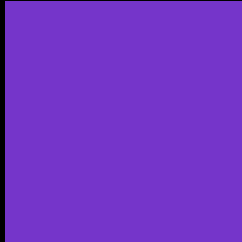
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.1220, -9.6850, 59.9070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

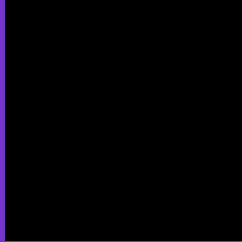
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.1220, -9.6850, 59.9070

Background



This preview shows how black text looks on a background with the YIQ color 89.1220, -9.6850, 59.9070.



This preview shows how white text looks on a background with the YIQ color 89.1220, -9.6850,

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

89.1220, -9.6850, 59.9070

Protanopia

73.5610, -84.5020, 11.6100

Deuteranopia

73.6460, -77.8520, 1.2200



Tritanopia

91.8090, -0.7800, 3.1240

Trichromacy



Original Color

89.1220, -9.6850, 59.9070

Protanomaly

79.3570, -56.9040, 29.0800

Deuteranomaly

79.4080, -52.9140, 22.8460

Tritanomaly

91.2010, -4.0390, 23.6490

Monochromacy



Original Color

89.1220, -9.6850, 59.9070

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.0330, -3.6260, 21.6700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.1220, -9.6850, 59.9070 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(117, 53, 202)` looks like.

```
.text, #text, p{  
    color:rgb(117, 53, 202)  
}
```

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(117, 53, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 53, 202) }
```

Border

The CSS property to change the border of an element to YIQ 89.1220, -9.6850, 59.9070 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(117, 53, 202) }
```


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

```
.border{ border-color:rgb(117, 53, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 53, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 53, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 53, 202);  
box-shadow:4px 4px 4px 4px rgb(117, 53,  
202) }
```

Background

The CSS property to change the background color of an element to YIQ 89.1220, -9.6850, 59.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 53, 202) }
```

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

```
.background{ background-color: rgb(117, 53,  
202) }
```

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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