

Converting Colors

YIQ(89.6490, -10.8720, 31.8480)

Have a look what the booklet for
YIQ(89.6490, -10.8720, 31.8480)
contains.

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Color

**YIQ(89.6490, -10.8720,
31.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	63489C
RGB	99, 72, 156
RGB Percent	39%, 28%, 61%
CMY	0.6116, 0.7177, 0.3883
CMYK	0.37, 0.54, 0.00, 0.39
HSL	259°, 37%, 45%
HSV	259°, 54%, 61%
XYZ	13.4639, 9.6870, 32.6004
YIQ	89.6490, -10.8720, 31.8480

Conversions

Conversions Part 2

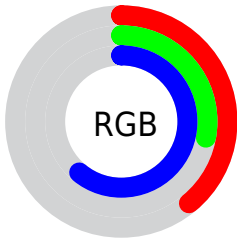
Format	Color
R_{YB}	99, 72, 156
Decimal	6506652
CIE _{Lab}	37.27, 31.01, -41.95
CIE _{LCh}	37, 52.165, 306.477
Yxy	9.6870, 0.2415, 0.1738
Android (android.graphics.Color)	4284696732 (0xFF63489C)
YUV	89.6490, 32.7110, 8.2008
Hunter-Lab	31.1239, 22.7505, -40.3159

Details

The YIQ color **89.6490, -10.8720, 31.8480** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **138.3510, 10.8720, -31.8480**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.8280, -9.8180, 34.7740**, and **41.7580, -12.7970, 28.1870** is the 20% darker color. If you saturate the color by 10%, you get **76.9680, -13.0280, 37.8840**, and if you desaturate by 10%, it is **102.3300, -8.7160, 25.8120**.

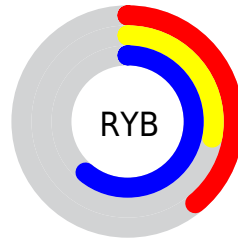
Distribution



Red (39%)

Green (28%)

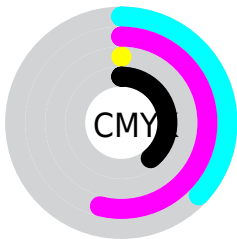
Blue (61%)



Red (39%)

Yellow (28%)

Blue (61%)

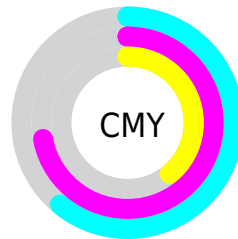


Cyan (37%)

Magenta (54%)

Yellow (0%)

Black (39%)



Cyan (61%)

Magenta (72%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.6490, -10.8720, 31.8480 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 89.6490, -10.8720, 31.8480 by changing the saturation by 10% instead.

■ 89.6490, -10.8720,
31.8480

■ 89.6490, -10.8720,
31.8480

■ 255.0000, -0.0000,
-0.0000

■ 65.4100, -11.6970,
30.2790

■ 140.8280, -9.8180,
34.7740

■ 41.7580, -12.7970,
28.1870

■ 167.4690,
-10.1850, 35.9190

■ 17.3230, -16.0060,
25.7700

■ 193.6990, -5.1410,
32.6110

■ 6.3840, -17.9760,
17.4160

■ 218.8060, 4.4430,
24.1150

■ 4.9360, -11.1430,
9.2170

■ 240.3250, 6.8750,
13.0750

■ 0.7980, -2.2470,
2.1770

■ 0.0000, 0.0000,

0.0000

■ 89.6490, -10.8720,
31.8480

■ 89.6490, -10.8720,
31.8480

■ 76.9680, -13.0280,
37.8840

■ 102.3300, -8.7160,
25.8120

■ 65.1730, -14.8630,
43.6090

■ 114.1250, -6.8810,
20.0870

■ 52.4920, -17.0190,
49.6450

■ 126.8060, -4.7250,
14.0510

■ 40.6970, -18.8540,
55.3700

■ 138.6010, -2.8900,
8.3260

■ 32.7340, -20.2760,
59.1160

■ 151.2820, -0.7340,
2.2900

■ 163.6640, 0.8260,
-3.9580

■ 175.7580, 3.2570,
-9.4710

■ 188.4390, 5.4130,
-15.5070

■ 200.2340, 7.2480,
-21.2320

Harmonies

Analogous

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



72.4380, -79.9620, 6.4220



89.6490, -10.8720, 31.8480



86.3140, 32.9120, 42.3200

Triad

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



89.6490, -10.8720, 31.8480



82.3190, 58.5970, -10.1950



73.1660, -59.9660, -25.5820

Complementary

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



89.6490, -10.8720, 31.8480



138.3510, 10.8720, -31.8480

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.



66.9760, -45.2920, -38.2200



89.6490, -10.8720, 31.8480



81.5450, 33.9330, -25.7710

Square

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



89.6490, -10.8720, 31.8480



82.0160, 64.9650, 17.5810



74.5300, 2.7580, -38.9860



77.8400, -73.1270, -12.8310

Rectangle

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



89.6490, -10.8720, 31.8480



82.1390, 52.3980, 41.5980



74.5300, 2.7580, -38.9860



71.4560, -55.1510, -30.2470

Sweetspot

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



89.6490, -10.8720, 31.8480



178.0510, -4.0370, 12.5950



115.0350, -42.6390, -3.6870



86.9600, -2.5230, 7.1810



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



89.6490, -10.8720, 31.8480



99.0190, -17.0650, 50.4790



102.2070, 14.1600, 40.7520



72.8090, -0.7800, 3.1240



30.0560, -18.4870, 54.2250



3.2050, -1.8350, 5.7250

Inverse Universe

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



103.6140, 31.7670, 35.5350



121.0270, 50.3780, 56.1860



125.7930, -14.1600, -40.7520



74.0760, 2.8420, 3.5620



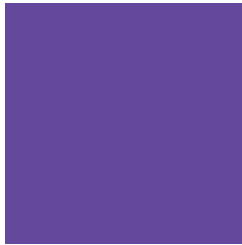
53.8150, 54.0910, 60.4830



5.6250, 5.7300, 6.2900

Previews

White Background



This preview shows how the YIQ color 89.6490, -10.8720, 31.8480 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 89.6490, -10.8720, 31.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

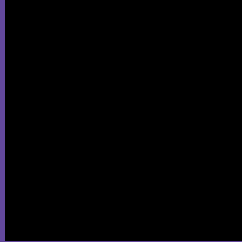
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.6490, -10.8720, 31.8480

Background



This preview shows how black text looks on a background with the YIQ color 89.6490, -10.8720, 31.8480.



This preview shows how white text looks on a background with the YIQ color 89.6490, -10.8720,

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

89.6490, -10.8720, 31.8480

Protanopia

80.8220, -54.3800, 16.3720

Deuteranopia

80.6340, -51.2150, 8.5690



Tritanopia

88.2000, -3.4390, 1.7530

Trichromacy



Original Color

89.6490, -10.8720, 31.8480

Protanomaly

83.8950, -38.2880, 22.0960

Deuteranomaly

84.1030, -36.1780, 16.8940

Tritanomaly

88.6810, -5.8710, 12.7930

Monochromacy



Original Color

89.6490, -10.8720, 31.8480

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.5240, -3.9910, 11.7610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.6490, -10.8720, 31.8480 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(99, 72, 156)` looks like.

```
.text, #text, p{  
    color:rgb(99, 72, 156)  
}
```

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(99, 72, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 72, 156) }
```

Border

The CSS property to change the border of an element to YIQ 89.6490, -10.8720, 31.8480 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(99, 72, 156) }
```


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

```
.border{ border-color:rgb(99, 72, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 72, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 72, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 72, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 72,  
156) }
```

Background

The CSS property to change the background color of an element to YIQ 89.6490, -10.8720, 31.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 72, 156) }
```

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

```
.background{ background-color: rgb(99, 72,  
156) }
```

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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