

Converting Colors

YIQ(89.2310, -19.6370, 75.0750)

Have a look what the booklet for
YIQ(89.2310, -19.6370, 75.0750)
contains.

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Color

**YIQ(89.2310, -19.6370,
75.0750)**

Conversions

Conversions Part 1

Format	Color
Hex	752EEF
RGB	117, 46, 239
RGB Percent	46%, 18%, 94%
CMY	0.5409, 0.8197, 0.0630
CMYK	0.51, 0.81, 0.00, 0.06
HSL	262°, 86%, 56%
HSV	262°, 81%, 94%
XYZ	23.8933, 11.9673, 82.6670
YIQ	89.2310, -19.6370, 75.0750

Conversions

Conversions Part 2

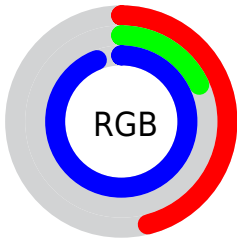
Format	Color
R_{YB}	117, 46, 239
Decimal	7679727
CIE _{Lab}	41.16, 69.16, -83.90
CIE _{LCh}	41, 108.729, 309.502
Yxy	11.9673, 0.2016, 0.1010
Android (android.graphics.Color)	4285869807 (0xFF752EEF)
YUV	89.2310, 73.8361, 24.3534
Hunter-Lab	34.5938, 62.7477, -117.4668

Details

The YIQ color **89.2310, -19.6370, 75.0750** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **195.7690, 19.6370, -75.0750**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.4650, -3.2210, 63.9070**, and **34.0890, -31.2810, 65.8310** is the 20% darker color. If you saturate the color by 10%, you get **70.6580, -21.9770, 84.4470**, and if you desaturate by 10%, it is **107.8040, -17.2970, 65.7030**.

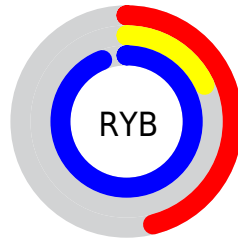
Distribution



Red (46%)

Green (18%)

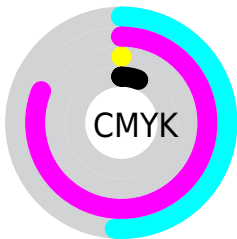
Blue (94%)



Red (46%)

Yellow (18%)

Blue (94%)

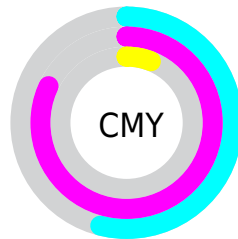


Cyan (51%)

Magenta (81%)

Yellow (0%)

Black (6%)



Cyan (54%)


Magenta (82%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 89.2310, -19.6370, 75.0750 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 89.2310, -19.6370, 75.0750 by changing the saturation by 10% instead.


 89.2310, -19.6370,
75.0750

 89.2310, -19.6370,
75.0750


255.0000, -0.0000,
-0.0000


 53.7520, -19.5460,
78.9340


 142.4650, -3.2210,
63.9070


 34.3880, -30.6850,
66.0430


 167.5830, 7.8300,
56.3580


 17.5560, -49.4340,
47.8940


 193.2880, 18.6060,
48.2860

 14.4780, -40.7670,
39.4970

 213.9100, 19.2500,
36.6100

 11.4000, -32.1000,
31.1000

 230.9330, 11.2750,
21.4430

 13.8330, -26.5500,
18.6180

 247.9560, 3.3000,

 8.2760, -17.7920,

6.2760

14.0800

■ 4.5940, -10.1800,
8.2840

■ 0.0000, 0.0000,
0.0000

■ 89.2310, -19.6370,
75.0750

■ 89.2310, -19.6370,
75.0750

■ 70.6580, -21.9770,
84.4470

■ 107.8040,
-17.2970, 65.7030

■ 53.5580, -24.2710,
92.9850

■ 126.3770,
-14.9570, 56.3310

■ 144.9500,
-12.6170, 46.9590

■ 163.5230,
-10.2770, 37.5870

■ 181.8080, -7.0660,
28.9500

■ 200.3810, -4.7260,
19.5780

■ 218.9540, -2.3860,
10.2060

■ 237.5270, -0.0460,
0.8340

■ 252.5780, 3.9440,
-5.4000

Harmonies

Analogous

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



90.1180, -110.4550, 24.9130



89.2310, -19.6370, 75.0750



83.0520, 76.7340, 96.1740

Triad

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



89.2310, -19.6370, 75.0750



88.3760, 80.7860, 0.6740



88.7990, -75.0500, -27.5460

Complementary

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



89.2310, -19.6370, 75.0750



195.7690, 19.6370, -75.0750

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.



75.9970, -41.7580, -58.2220



89.2310, -19.6370, 75.0750



88.2680, 27.1030, -34.1530

Square

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



89.2310, -19.6370, 75.0750



65.1820, 129.9280, 46.2160



69.8530, -32.7250, -62.2370



99.8910, -103.5270, -1.5350

Rectangle

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



89.2310, -19.6370, 75.0750



82.9040, 108.7850, 82.4890



69.8530, -32.7250, -62.2370



85.1510, -64.7780, -37.4980

Sweetspot

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



89.2310, -19.6370, 75.0750



207.5320, -6.4690, 23.6350



139.6160, -95.5030, -3.7830



99.1050, -4.1290, 14.2630



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.



89.2310, -19.6370, 75.0750



63.3670, -25.0510, 96.1090



117.9350, 37.5790, 95.4270



110.5640, -1.4680, 4.5800



41.3080, -18.5360, 71.6400



12.6630, -5.4600, 21.8680

Inverse Universe

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



117.6150, 75.8660, 78.8580



99.6370, 97.1360, 100.8800



167.0650, -37.5790, -95.4270



112.3860, 4.9050, 4.7210



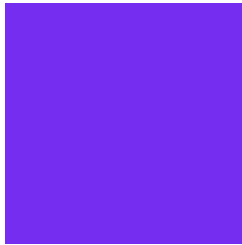
68.2400, 72.4280, 75.0840



20.7340, 22.1410, 22.7570

Previews

White Background



This preview shows how the YIQ color 89.2310, -19.6370, 75.0750 looks on a white background.

Color Contrast Check

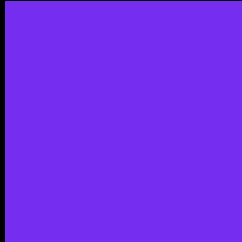
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.2310, -19.6370, 75.0750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

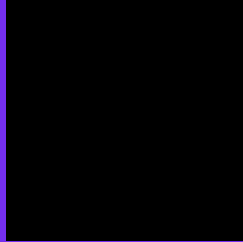
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.2310, -19.6370, 75.0750

Background



This preview shows how black text looks on a background with the YIQ color 89.2310, -19.6370, 75.0750.



This preview shows how white text looks on a background with the YIQ color 89.2310, -19.6370,

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

89.2310, -19.6370, 75.0750

Protanopia

77.6360, -89.0870, 12.1050

Deuteranopia

77.9660, -81.7490, 0.2590



Tritanopia

94.3340, -15.6800, -2.1760

Trichromacy



Original Color

89.2310, -19.6370, 75.0750

Protanomaly

82.2240, -63.5990, 34.7770

Deuteranomaly

81.9330, -58.6460, 27.6100

Tritanomaly

92.2520, -17.2440, 26.1800

Monochromacy



Original Color

89.2310, -19.6370, 75.0750

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

88.8680, -7.2950, 27.5930

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.2310, -19.6370, 75.0750 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, 46, 239)` looks like.

```
.text, #text, p{  
    color:rgb(117, 46, 239)  
}
```

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, 46, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 46, 239) }
```

Border

The CSS property to change the border of an element to YIQ 89.2310, -19.6370, 75.0750 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, 46, 239) }
```


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

```
.border{ border-color:rgb(117, 46, 239) }
```

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

Here you see how a box with a 4 pixel rgb(117, 46, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 46, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 46, 239);  
box-shadow:4px 4px 4px 4px rgb(117, 46,  
239) }
```

Background

The CSS property to change the background color of an element to YIQ 89.2310, -19.6370, 75.0750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 46, 239) }
```

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

```
.background{ background-color: rgb(117, 46,  
239) }
```

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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