

Converting Colors

YIQ(89.1320, -16.7860, 28.8940)

Have a look what the booklet for
YIQ(89.1320, -16.7860, 28.8940)
contains.

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Color

**YIQ(89.1320, -16.7860,
28.8940)**

Conversions

Conversions Part 1

Format	Color
Hex	5B4B9D
RGB	91, 75, 157
RGB Percent	36%, 29%, 62%
CMY	0.6430, 0.7059, 0.3844
CMYK	0.42, 0.52, 0.00, 0.38
HSL	252°, 35%, 45%
HSV	252°, 52%, 62%
XYZ	12.9152, 9.6898, 33.0730
YIQ	89.1320, -16.7860, 28.8940

Conversions

Conversions Part 2

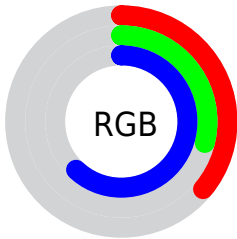
Format	Color
R_{YB}	91, 75, 157
Decimal	5983133
CIE _{Lab}	37.28, 27.40, -42.58
CIE _{LCh}	37, 50.634, 302.761
Yxy	9.6898, 0.2320, 0.1740
Android (android.graphics.Color)	4284173213 (0xFF5B4B9D)
YUV	89.1320, 33.4589, 1.6382
Hunter-Lab	31.1284, 19.5854, -41.2041

Details

The YIQ color $89.1320, -16.7860, 28.8940$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $142.8680, 16.7860, -28.8940$, and the grayscale version is $89.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $140.3110, -15.7320, 31.8200$, and $40.6430, -19.9030, 24.8090$ is the 20% darker color. If you saturate the color by 10%, you get $75.8530, -20.1340, 34.5060$, and if you desaturate by 10%, it is $102.4110, -13.4380, 23.2820$.

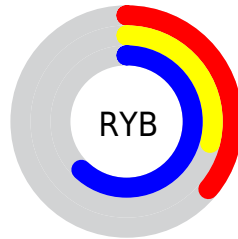
Distribution



Red (36%)

Green (29%)

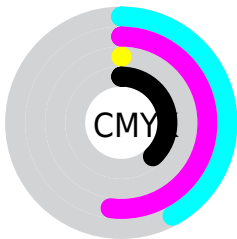
Blue (62%)



Red (36%)

Yellow (29%)

Blue (62%)

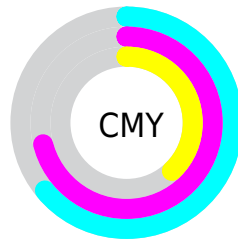


Cyan (42%)

Magenta (52%)

Yellow (0%)

Black (38%)



Cyan (64%)

Magenta (71%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.1320, -16.7860, 28.8940 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 89.1320, -16.7860, 28.8940 by changing the saturation by 10% instead.

■ 89.1320, -16.7860,
28.8940

■ 89.1320, -16.7860,
28.8940

■ 255.0000, -0.0000,
-0.0000

■ 64.8930, -17.6110,
27.3250

■ 140.3110,
-15.7320, 31.8200

■ 40.6430, -19.9030,
24.8090

■ 166.9520,
-16.0990, 32.9650

■ 15.5880, -27.2380,
20.0740

■ 193.0680,
-10.7340, 29.3460

■ 6.4980, -18.2970,
17.7270

■ 217.2890, -1.4710,
21.1610

■ 5.0500, -11.4640,
9.5280

■ 242.0860, 6.0500,
11.5060

■ 0.9120, -2.5680,
2.4880

■ 0.0000, 0.0000,

0.0000

■ 89.1320, -16.7860,
28.8940

■ 89.1320, -16.7860,
28.8940

■ 75.8530, -20.1340,
34.5060

■ 102.4110,
-13.4380, 23.2820

■ 63.4600, -23.1610,
39.8070

■ 114.8040,
-10.4110, 17.9810

■ 50.1810, -26.5090,
45.4190

■ 128.0830, -7.0630,
12.3690

■ 37.2010, -29.2610,
51.2430

■ 141.3620, -3.7150,
6.7570

■ 27.1670, -31.9210,
55.3990

■ 153.7550, -0.6880,
1.4560

■ 167.0340, 2.6600,
-4.1560

■ 180.0140, 5.4120,
-9.9800

■ 193.2930, 8.7600,
-15.5920

■ 205.9850, 12.3830,
-20.6810

Harmonies

Analogous

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



73.3840, -79.8700, 4.7540



89.1320, -16.7860, 28.8940



88.2100, 27.2730, 39.8890

Triad

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



89.1320, -16.7860, 28.8940



82.7260, 59.0090, -6.6470



72.4820, -58.0400, -27.4480

Complementary

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



89.1320, -16.7860, 28.8940



142.8680, 16.7860, -28.8940

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.



66.5200, -44.0080, -39.4640



89.1320, -16.7860, 28.8940



81.8660, 37.4630, -23.6650

Square

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



89.1320, -16.7860, 28.8940



82.1130, 63.3140, 19.9700



76.1070, 8.4430, -37.3890



77.1560, -71.2010, -14.6970

Rectangle

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



89.1320, -16.7860, 28.8940



83.4590, 48.5010, 40.6370



76.1070, 8.4430, -37.3890



70.8860, -53.5460, -31.8020

Sweetspot

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



89.1320, -16.7860, 28.8940



176.8550, -6.4210, 11.7470



123.6770, -44.7470, -9.5390



86.0630, -4.3110, 6.5450



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.



89.1320, -16.7860, 28.8940



97.4800, -25.9130, 45.6310



101.0920, 7.0540, 37.3740



72.5100, -1.3760, 2.9120



24.6740, -29.2150, 50.4090



2.6070, -3.0270, 5.3010

Inverse Universe

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



107.0420, 27.6860, 37.9100



125.4270, 43.5000, 59.6920



130.9080, -7.0540, -37.3740



74.1900, 2.5210, 3.8730



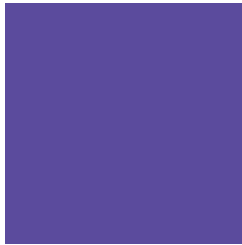
55.8670, 48.3130, 66.0810



5.8530, 5.0880, 6.9120

Previews

White Background



This preview shows how the YIQ color 89.1320, -16.7860, 28.8940 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 89.1320, -16.7860, 28.8940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

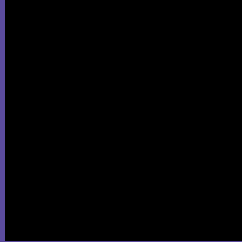
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.1320, -16.7860, 28.8940

Background



This preview shows how black text looks on a background with the YIQ color 89.1320, -16.7860, 28.8940.



This preview shows how white text looks on a background with the YIQ color 89.1320, -16.7860,

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

89.1320, -16.7860, 28.8940

Protanopia

81.4910, -51.9500, 16.3860

Deuteranopia

79.3670, -54.8370, 8.1310



Tritanopia

86.6120, -10.5910, -0.7910

Trichromacy



Original Color

89.1320, -16.7860, 28.8940

Protanomaly

84.0690, -38.8380, 21.0500

Deuteranomaly

82.8250, -41.2670, 15.5090

Tritanomaly

87.6800, -13.2980, 9.7260

Monochromacy



Original Color

89.1320, -16.7860, 28.8940

Achromatopsia

89.0000, -0.0000, -0.0000

Achromatomaly

89.2140, -6.0540, 10.6020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.1320, -16.7860, 28.8940 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(91, 75, 157)` looks like.

```
.text, #text, p{  
    color:rgb(91, 75, 157)  
}
```

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(91, 75, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 75, 157) }
```

Border

The CSS property to change the border of an element to YIQ 89.1320, -16.7860, 28.8940 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(91, 75, 157) }
```


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

```
.border{ border-color:rgb(91, 75, 157) }
```

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

Here you see how a box with a 4 pixel rgb(91, 75, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 75, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 75, 157);  
box-shadow:4px 4px 4px 4px rgb(91, 75,  
157) }
```

Background

The CSS property to change the background color of an element to YIQ 89.1320, -16.7860, 28.8940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 75, 157) }
```

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

```
.background{ background-color: rgb(91, 75,  
157) }
```

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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