

Converting Colors

YIQ(87.4630, -19.2160, 28.8800)

Have a look what the booklet for
YIQ(87.4630, -19.2160, 28.8800)
contains.

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Color

**YIQ(87.4630, -19.2160,
28.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	574A9E
RGB	87, 74, 158
RGB Percent	34%, 29%, 62%
CMY	0.6587, 0.7098, 0.3805
CMYK	0.45, 0.53, 0.00, 0.38
HSL	249°, 36%, 45%
HSV	249°, 53%, 62%
XYZ	12.5493, 9.3915, 33.4828
YIQ	87.4630, -19.2160, 28.8800

Conversions

Conversions Part 2

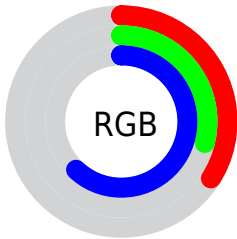
Format	Color
R_{YB}	87, 74, 158
Decimal	5720734
CIE _{Lab}	36.73, 27.33, -44.09
CIE _{LCh}	37, 51.870, 301.796
Yxy	9.3915, 0.2264, 0.1694
Android (android.graphics.Color)	4283910814 (0xFF574A9E)
YUV	87.4630, 34.7747, -0.4061
Hunter-Lab	30.6456, 19.4660, -43.3274

Details

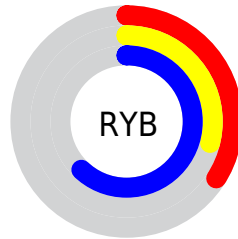
The YIQ color $87.4630, -19.2160, 28.8800$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $144.5370, 19.2160, -28.8800$, and the grayscale version is $87.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $138.6420, -18.1620, 31.8060$, and $39.2620, -23.2040, 24.0600$ is the 20% darker color. If you saturate the color by 10%, you get $74.1840, -22.5640, 34.4920$, and if you desaturate by 10%, it is $100.7420, -15.8680, 23.2680$.

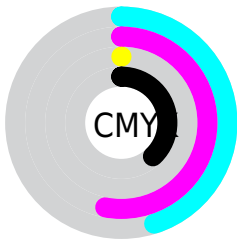
Distribution



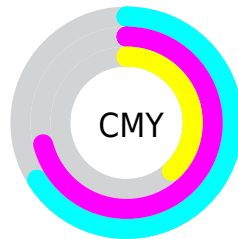
- Red (34%)
- Green (29%)
- Blue (62%)



- Red (34%)
- Yellow (29%)
- Blue (62%)



- Cyan (45%)
- Magenta (53%)
- Yellow (0%)
- Black (38%)



- Cyan (66%)
- Magenta (71%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.4630, -19.2160, 28.8800 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 87.4630, -19.2160, 28.8800 by changing the saturation by 10% instead.

■ 87.4630, -19.2160,
28.8800

■ 87.4630, -19.2160,
28.8800

■ 255.0000, -0.0000,
-0.0000

■ 62.8110, -20.3160,
26.7880

■ 138.6420,
-18.1620, 31.8060

■ 39.2620, -23.2040,
24.0600

■ 165.5820,
-17.9330, 33.1630

■ 14.5170, -28.4760,
20.4840

■ 191.2850,
-12.8430, 29.0210

■ 6.4980, -18.2970,
17.7270

■ 215.8050, -2.9840,
21.0480

■ 5.1640, -11.7850,
9.8390

■ 240.9120, 6.6000,
12.5520

■ 1.1400, -3.2100,
3.1100

■ 0.0000, 0.0000,

0.0000

■ 87.4630, -19.2160,
28.8800

■ 87.4630, -19.2160,
28.8800

■ 74.1840, -22.5640,
34.4920

■ 100.7420,
-15.8680, 23.2680

■ 60.6060, -26.5080,
39.8920

■ 114.3200,
-11.9240, 17.8680

■ 47.9140, -30.1310,
44.9810

■ 127.0120, -8.3010,
12.7790

■ 34.6350, -33.4790,
50.5930

■ 140.2910, -4.9530,
7.1670

■ 25.4870, -35.8180,
54.4380

■ 153.8690, -1.0090,
1.7670

■ 167.1480, 2.3390,
-3.8450

■ 180.4270, 5.6870,
-9.4570

■ 193.4180, 9.9060,
-14.3340

■ 206.6970, 13.2540,
-19.9460

Harmonies

Analogous

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



72.7970, -79.5950, 5.2770



87.4630, -19.2160, 28.8800



86.8510, 26.9060, 41.0340

Triad

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



87.4630, -19.2160, 28.8800



81.2100, 60.5220, -6.5340



71.6670, -57.1230, -27.5470

Complementary

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



87.4630, -19.2160, 28.8800



144.5370, 19.2160, -28.8800

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.



64.8900, -42.1740, -39.6620



87.4630, -19.2160, 28.8800



80.6920, 38.0130, -22.6190

Square

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



87.4630, -19.2160, 28.8800



80.5370, 65.0560, 21.4400



74.2920, 9.3600, -37.4880



76.3410, -70.2840, -14.7960

Rectangle

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



87.4630, -19.2160, 28.8800



81.5130, 48.4090, 42.3050



74.2920, 9.3600, -37.4880



69.3700, -52.0330, -31.6890

Sweetspot

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



87.4630, -19.2160, 28.8800



179.2570, -7.6130, 11.3230



125.2530, -46.4890, -11.0090



88.1770, -4.6320, 6.8560



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



87.4630, -19.2160, 28.8800



95.4410, -30.1770, 45.8150



100.0210, 5.8160, 37.7840



72.2110, -1.9720, 2.7000



22.8800, -32.7910, 49.1370



2.3080, -3.6230, 5.0890

Inverse Universe

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



107.2100, 27.2730, 39.8890



126.5350, 43.3160, 63.0280



131.9790, -5.8160, -37.7840



74.1900, 2.5210, 3.8730



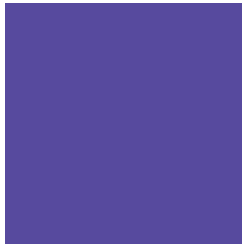
56.5510, 46.3870, 67.9470



5.9670, 4.7670, 7.2230

Previews

White Background



This preview shows how the YIQ color 87.4630, -19.2160, 28.8800 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 87.4630, -19.2160, 28.8800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

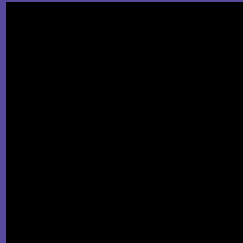
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.4630, -19.2160, 28.8800

Background



This preview shows how black text looks on a background with the YIQ color 87.4630, -19.2160, 28.8800.



This preview shows how white text looks on a background with the YIQ color 87.4630, -19.2160,

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

87.4630, -19.2160, 28.8800

Protanopia

79.2240, -55.5720, 15.9480

Deuteranopia

74.7080, -63.2270, 5.9970



Tritanopia

84.5300, -13.2960, -1.3280

Trichromacy



Original Color

87.4630, -19.2160, 28.8800

Protanomaly

82.1010, -41.8640, 20.8240

Deuteranomaly

79.3620, -47.2730, 14.2230

Tritanomaly

85.8970, -15.4070, 9.4010

Monochromacy



Original Color

87.4630, -19.2160, 28.8800

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0290, -6.9710, 10.7010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.4630, -19.2160, 28.8800 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(87, 74, 158)` looks like.

```
.text, #text, p{  
    color:rgb(87, 74, 158)  
}
```

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(87, 74, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 74, 158) }
```

Border

The CSS property to change the border of an element to YIQ 87.4630, -19.2160, 28.8800 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(87, 74, 158) }
```


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

```
.border{ border-color:rgb(87, 74, 158) }
```

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

Here you see how a box with a 4 pixel rgb(87, 74, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 74, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 74, 158);  
box-shadow:4px 4px 4px 4px rgb(87, 74,  
158) }
```

Background

The CSS property to change the background color of an element to YIQ 87.4630, -19.2160, 28.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 74, 158) }
```

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

```
.background{ background-color: rgb(87, 74,  
158) }
```

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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