

Converting Colors

YIQ(96.9060, -54.0160, 31.8080)

Have a look what the booklet for
YIQ(96.9060, -54.0160, 31.8080)
contains.

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Color

**YIQ(96.9060, -54.0160,
31.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	415BD3
RGB	65, 91, 211
RGB Percent	25%, 36%, 83%
CMY	0.7450, 0.6431, 0.1729
CMYK	0.69, 0.57, 0.00, 0.17
HSL	229°, 62%, 54%
HSV	229°, 69%, 83%
XYZ	17.6703, 13.3072, 63.2137
YIQ	96.9060, -54.0160, 31.8080

Conversions

Conversions Part 2

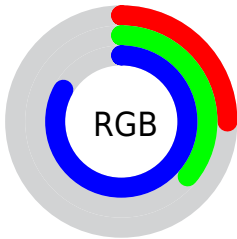
Format	Color
RYB	65, 87, 211
Decimal	4283347
CIELab	43.22, 30.10, -64.74
CIElCh	43, 71.392, 294.935
Yxy	13.3072, 0.1876, 0.1413
Android (android.graphics.Color)	4282473427 (0xFF415BD3)
YUV	96.9060, 56.2483, -27.9816
Hunter-Lab	36.4791, 22.6261, -77.2069

Details

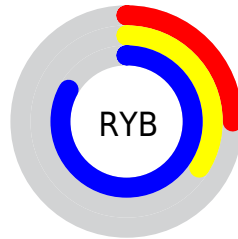
The YIQ color **96.9060, -54.0160, 31.8080** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **179.0940, 54.0160, -31.8080**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.4080, -43.7460, 32.9100**, and **44.6720, -62.4050, 24.1470** is the 20% darker color. If you saturate the color by 10%, you get **80.6480, -61.8570, 36.2470**, and if you desaturate by 10%, it is **113.1640, -46.1750, 27.3690**.

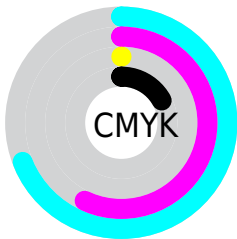
Distribution



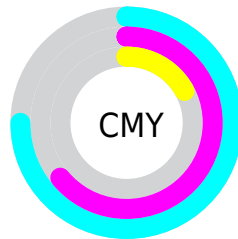
- Red (25%)
- Green (36%)
- Blue (83%)



- Red (25%)
- Yellow (34%)
- Blue (83%)



- Cyan (69%)
- Magenta (57%)
- Yellow (0%)
- Black (17%)



- Cyan (75%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 96.9060, -54.0160, 31.8080 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 96.9060, -54.0160, 31.8080 by changing the saturation by 10% instead.

■ 96.9060, -54.0160,
31.8080

■ 96.9060, -54.0160,
31.8080

■ 255.0000, -0.0000,
-0.0000

■ 65.8610, -67.3110,
24.9530

■ 150.4080,
-43.7460, 32.9100

■ 44.6720, -62.4050,
24.1470

■ 174.6400,
-33.0160, 25.6720

■ 29.9680, -48.5590,
26.5210

■ 199.7580,
-21.9650, 18.1230

■ 14.6770, -34.4380,
29.4180

■ 225.1640,
-11.7850, 9.8390

■ 14.1750, -27.5130,
19.5510

■ 251.1570, -1.8800,
1.0320

■ 9.0910, -18.7090,
14.1790

■ 4.8220, -10.8220,

8.9060

■ 0.3420, -0.9630,
0.9330

■ 0.0000, 0.0000,
0.0000

■ 96.9060, -54.0160,
31.8080

■ 96.9060, -54.0160,
31.8080

■ 80.6480, -61.8570,
36.2470

■ 113.1640,
-46.1750, 27.3690

■ 63.8030, -69.4230,
41.2090

■ 130.0090,
-38.6090, 22.4070

■ 47.5450, -77.2640,
45.6480

■ 146.2670,
-30.7680, 17.9680

■ 46.3600, -78.1810,
45.7470

■ 162.5250,
-22.9270, 13.5290

■ 179.3700,
-15.3610, 8.5670

■ 195.9270, -6.9240,
4.3400

■ 212.1850, 0.9170,
-0.0990

■ 229.0300, 8.4830,
-5.0610

■ 245.2880, 16.3240,
-9.5000

Harmonies

Analogous

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



91.6390, -102.3370, 9.9430



96.9060, -54.0160, 31.8080



99.9180, 25.9400, 58.5480

Triad

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



96.9060, -54.0160, 31.8080



92.2410, 85.6000, 1.5360



84.2220, -63.5400, -37.9080

Complementary

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



96.9060, -54.0160, 31.8080



179.0940, 54.0160, -31.8080

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.



74.3500, -41.2540, -56.3420



96.9060, -54.0160, 31.8080



96.1190, 52.8680, -22.0120

Square

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



96.9060, -54.0160, 31.8080



81.5600, 93.7530, 46.5290



89.3540, 14.8170, -42.7750



91.7630, -83.3960, -19.4600

Rectangle

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



96.9060, -54.0160, 31.8080



85.5870, 63.9010, 69.9250



89.3540, 14.8170, -42.7750



81.2410, -56.5240, -43.9160

Sweetspot

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



96.9060, -54.0160, 31.8080



213.0260, -20.0840, 11.5640



164.2680, -78.3490, -39.3490



102.5830, -11.6470, 7.3370



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.



96.9060, -54.0160, 31.8080



89.4740, -78.5020, 46.0580



95.3980, -19.4500, 55.1580



96.4280, -4.0810, 2.3750



36.7620, -62.1780, 36.5580



8.7830, -15.0860, 9.0900

Inverse Universe

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



111.6180, 78.6700, 39.0380



110.7200, 114.1540, 56.7620



180.6020, 19.4500, -55.1580



97.5170, 5.9140, 2.9540



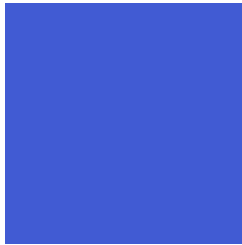
53.6520, 90.4980, 44.9460



13.0570, 22.1890, 10.8690

Previews

White Background



This preview shows how the YIQ color 96.9060, -54.0160, 31.8080 looks on a white background.

Color Contrast Check

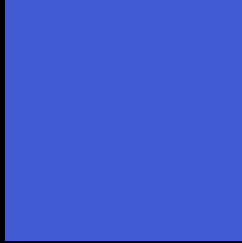
Large Text (above 18pt) WCAG AA ✓ Pass

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 96.9060, -54.0160, 31.8080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

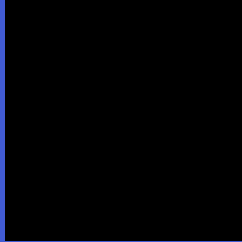
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 96.9060, -54.0160, 31.8080

Background



This preview shows how black text looks on a background with the YIQ color 96.9060, -54.0160, 31.8080.



This preview shows how white text looks on a background with the YIQ color 96.9060, -54.0160,

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

96.9060, -54.0160, 31.8080

Protanopia

81.2380, -93.7180, 13.4340

Deuteranopia

81.4540, -86.0590, 1.2770



Tritanopia

80.1250, -69.9160, -21.4680

Trichromacy



Original Color

96.9060, -54.0160, 31.8080

Protanomaly

86.7670, -78.9100, 20.4020

Deuteranomaly

87.0630, -74.2320, 12.7120

Tritanomaly

86.3670, -64.0050, -1.9330

Monochromacy



Original Color

96.9060, -54.0160, 31.8080

Achromatopsia

97.0000, -0.0000, 0.0000

Achromatomaly

96.9120, -19.7630, 11.2530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 96.9060, -54.0160, 31.8080 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(65, 91, 211)` looks like.

```
.text, #text, p{  
    color:rgb(65, 91, 211)  
}
```

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(65, 91, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 91, 211) }
```

Border

The CSS property to change the border of an element to YIQ 96.9060, -54.0160, 31.8080 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(65, 91, 211) }
```


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

```
.border{ border-color:rgb(65, 91, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 91, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 91, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 91, 211);  
box-shadow:4px 4px 4px 4px rgb(65, 91,  
211) }
```

Background

The CSS property to change the background color of an element to YIQ 96.9060, -54.0160, 31.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 91, 211) }
```

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

```
.background{ background-color: rgb(65, 91,  
211) }
```

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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