

Converting Colors

YIQ(54.7860, -16.8860, 74.7780)

Have a look what the booklet for
YIQ(54.7860, -16.8860, 74.7780)
contains.

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Color

**YIQ(54.7860, -16.8860,
74.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	550BC9
RGB	85, 11, 201
RGB Percent	33%, 4%, 79%
CMY	0.6663, 0.9570, 0.2120
CMYK	0.58, 0.95, 0.00, 0.21
HSL	263°, 90%, 42%
HSV	263°, 95%, 79%
XYZ	14.4086, 6.3879, 55.6982
YIQ	54.7860, -16.8860, 74.7780

Conversions

Conversions Part 2

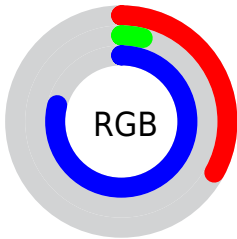
Format	Color
R_{YB}	85, 11, 201
Decimal	5573577
CIE _{Lab}	30.37, 66.73, -80.00
CIE _{LCh}	30, 104.178, 309.831
Yxy	6.3879, 0.1884, 0.0835
Android (android.graphics.Color)	4283763657 (0xFF550BC9)
YUV	54.7860, 72.0835, 26.4977
Hunter-Lab	25.2744, 57.5309, -112.9680

Details

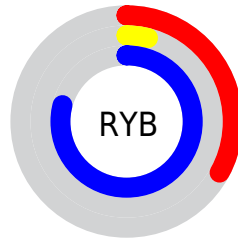
The YIQ color **54.7860, -16.8860, 74.7780** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **157.2140, 16.8860, -74.7780**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **116.7600, -13.9970, 71.9790**, and **16.5300, -46.5450, 45.0950** is the 20% darker color. If you saturate the color by 10%, you get **46.2360, -18.0330, 79.0470**, and if you desaturate by 10%, it is **70.1140, -15.2340, 66.8620**.

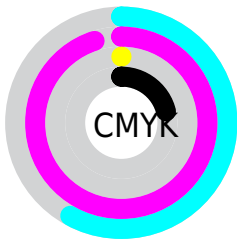
Distribution



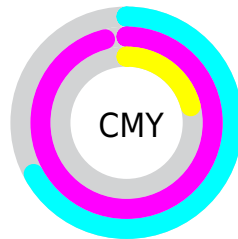
- Red (33%)
- Green (4%)
- Blue (79%)



- Red (33%)
- Yellow (4%)
- Blue (79%)



- Cyan (58%)
- Magenta (95%)
- Yellow (0%)
- Black (21%)



- Cyan (67%)
- Magenta (96%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 54.7860, -16.8860, 74.7780 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 54.7860, -16.8860, 74.7780 by changing the saturation by 10% instead.

■ 54.7860, -16.8860,
74.7780

■ 54.7860, -16.8860,
74.7780

■ 255.0000, -0.0000,
-0.0000

■ 34.3730, -26.3290,
64.1910

■ 116.7600,
-13.9970, 71.9790

■ 16.5300, -46.5450,
45.0950

■ 142.1660, -3.8170,
63.6950

■ 13.5660, -38.1990,
37.0090

■ 167.2840, 7.2340,
56.1460

■ 10.6020, -29.8530,
28.9230

■ 192.4020, 18.2850,
48.5970

■ 11.8610, -23.7530,
17.4870

■ 213.3230, 19.5250,
37.1330


■ 6.8910, -15.2700,
12.4260


■ 230.3460, 11.5500,


■ 3.2090, -7.6580,


21.9660


6.6300


 247.3690, 3.5750,
6.7990


 0.0000, 0.0000,
0.0000


 54.7860, -16.8860,
74.7780

 54.7860, -16.8860,
74.7780

 46.2360, -18.0330,
79.0470

 70.1140, -15.2340,
66.8620

 85.7410, -12.9860,
59.1580

 101.0690,
-11.3340, 51.2420

 116.3970, -9.6820,
43.3260

 131.7250, -8.0300,
35.4100

■ 147.9390, -6.0570,
27.1830

■ 163.2670, -4.4050,
19.2670

■ 178.5950, -2.7530,
11.3510

■ 193.9230, -1.1010,
3.4350

Harmonies

Analogous

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



73.6190, -98.4440, 33.0120



54.7860, -16.8860, 74.7780



68.0420, 64.3580, 78.1660

Triad

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



54.7860, -16.8860, 74.7780



63.5240, 65.9300, 5.5940



68.1110, -58.1330, -20.2530

Complementary

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



54.7860, -16.8860, 74.7780



157.2140, 16.8860, -74.7780

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.



55.1780, -25.8500, -49.1620



54.7860, -16.8860, 74.7780



64.9220, 16.6940, -27.2260

Square

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



54.7860, -16.8860, 74.7780



52.9230, 105.4920, 37.5240



52.8300, -24.7500, -47.0700



78.2910, -84.0420, 3.2700

Rectangle

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



54.7860, -16.8860, 74.7780



67.6810, 92.6950, 65.7110



52.8300, -24.7500, -47.0700



64.2180, -48.5490, -28.7490

Sweetspot

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



54.7860, -16.8860, 74.7780



200.1670, -6.6990, 27.8050



101.3390, -93.1650, -2.1010



94.0990, -3.9920, 17.2880



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.



54.7860, -16.8860, 74.7780



58.6710, -22.8510, 100.2930



82.8920, 39.1380, 94.7060



91.9230, -1.1010, 3.4350



37.7180, -14.1790, 64.2610



8.2900, -3.2120, 14.1640

Inverse Universe

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



81.0340, 76.0040, 76.3560



94.0290, 101.9040, 102.5760



129.1080, -39.1380, -94.7060



93.3750, 3.4380, 3.7740



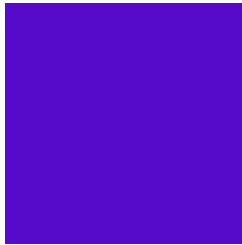
60.1370, 65.0480, 65.6560



13.2720, 14.3940, 14.4740

Previews

White Background



This preview shows how the YIQ color 54.7860, -16.8860, 74.7780 looks on a white background.

Color Contrast Check

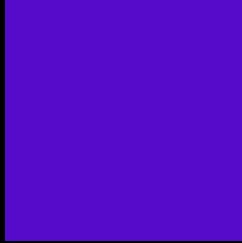
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.7860, -16.8860, 74.7780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

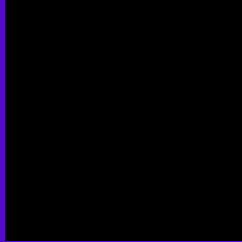
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 54.7860, -16.8860, 74.7780

Background



This preview shows how black text looks on a background with the YIQ color 54.7860, -16.8860, 74.7780.



This preview shows how white text looks on a background with the YIQ color 54.7860, -16.8860,

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

54.7860, -16.8860, 74.7780

Protanopia

57.8480, -66.4370, 9.1070

Deuteranopia

58.3890, -61.0710, -0.0390



Tritanopia

67.4250, -26.3620, -6.8260

Trichromacy



Original Color

54.7860, -16.8860, 74.7780

Protanomaly

57.0700, -48.6060, 32.8820

Deuteranomaly

57.2350, -44.9370, 26.9590

Tritanomaly

62.6210, -22.8370, 22.9150

Monochromacy



Original Color

54.7860, -16.8860, 74.7780

Achromatopsia

55.0000, 0.0000, 0.0000

Achromatomaly

54.9390, -6.0570, 27.1830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 54.7860, -16.8860, 74.7780 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(85, 11, 201)` looks like.

```
.text, #text, p{  
    color:rgb(85, 11, 201)  
}
```

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(85, 11, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 11, 201) }
```

Border

The CSS property to change the border of an element to YIQ 54.7860, -16.8860, 74.7780 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(85, 11, 201) }
```


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

```
.border{ border-color:rgb(85, 11, 201) }
```

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

Here you see how a box with a 4 pixel rgb(85, 11, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 11, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 11, 201);  
box-shadow:4px 4px 4px 4px rgb(85, 11,  
201) }
```

Background

The CSS property to change the background color of an element to YIQ 54.7860, -16.8860, 74.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 11, 201) }
```

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

```
.background{ background-color: rgb(85, 11,  
201) }
```

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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