

# Converting Colors

YIQ(86.1500, -0.0020, 11.0540)

Have a look what the booklet for  
YIQ(86.1500, -0.0020, 11.0540)  
contains.

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# Color

**YIQ(86.1500, -0.0020,  
11.0540)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 5D4F69                    |
| RGB         | 93, 79, 105               |
| RGB Percent | 36%, 31%, 41%             |
| CMY         | 0.6352, 0.6902, 0.5883    |
| CMYK        | 0.11, 0.25, 0.00, 0.59    |
| HSL         | 272°, 14%, 36%            |
| HSV         | 272°, 25%, 41%            |
| XYZ         | 9.8606, 8.9388, 14.5689   |
| YIQ         | 86.1500, -0.0020, 11.0540 |

# Conversions

## Conversions Part 2

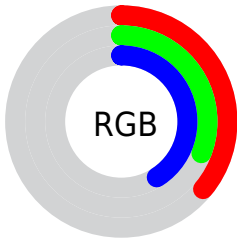
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 93, 79, 105                 |
| Decimal                             | 6115177                     |
| CIE <sub>Lab</sub>                  | 35.87, 11.38, -12.87        |
| CIE <sub>LCh</sub>                  | 36, 17.180, 311.483         |
| Yxy                                 | 8.9388, 0.2955,<br>0.2679   |
| Android<br>(android.graphics.Color) | 4284305257<br>(0xFF5D4F69)  |
| YUV                                 | 86.1500, 9.2931,<br>6.0075  |
| Hunter-Lab                          | 29.8978, 6.5500,<br>-7.9630 |

# Details

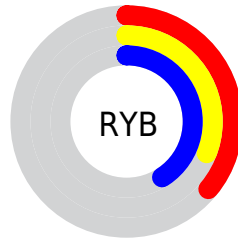
The YIQ color  $[86.1500, -0.0020, 11.0540]$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $[97.8500, 0.0020, -11.0540]$ , and the grayscale version is  $[86.0000, -0.0000, -0.0000]$ .

A 20% lighter version of the original color is  $[135.9760, 0.5480, 12.1000]$ , and  $[41.2100, -0.2310, 9.6970]$  is the 20% darker color. If you saturate the color by 10%, you get  $[78.1980, 0.0430, 15.7470]$ , and if you desaturate by 10%, it is  $[93.5150, 0.2280, 6.8840]$ .

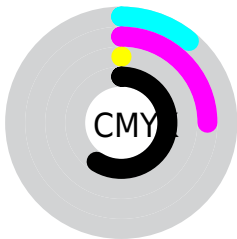
# Distribution



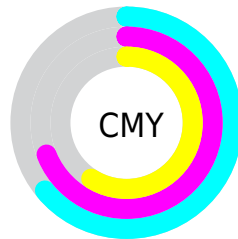
- Red (36%)
- Green (31%)
- Blue (41%)



- Red (36%)
- Yellow (31%)
- Blue (41%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)
- Black (59%)



- Cyan (64%)
- Magenta (69%)
- Yellow (59%)
- Black (59%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.1500, -0.0020, 11.0540 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 86.1500, -0.0020, 11.0540 by changing the saturation by 10% instead.



■ 86.1500, -0.0020,  
11.0540

■ 86.1500, -0.0020,  
11.0540

■ 255.0000, -0.0000,  
-0.0000

■ 62.7370, -0.2770,  
10.5310

■ 135.9760, 0.5480,  
12.1000

■ 41.2100, -0.2310,  
9.6970

■ 162.0900, 0.2270,  
12.4110

■ 20.0960, 0.0900,  
9.3860

■ 189.2040, -0.0940,  
12.7220

■ 2.1830, -4.7690,  
3.8310

■ 217.2040, -0.0940,  
12.7220

■ 0.0000, 0.0000,  
0.0000

■ 244.1350, 4.3540,  
9.2020

86.1500, -0.0020,  
11.0540

86.1500, -0.0020,  
11.0540

78.1980, 0.0430,  
15.7470

93.5150, 0.2280,  
6.8840

70.8330, -0.1870,  
19.9170

101.4670, 0.1830,  
2.1910

62.8810, -0.1420,  
24.6100

108.8320, 0.4130,  
-1.9790

55.8150, 0.2240,  
28.9920

116.4850, -0.2280,  
-6.8840

47.8630, 0.2690,  
33.6850

123.8500, 0.0020,  
-11.0540

40.4980, 0.0390,  
37.8550

131.8020, -0.0430,  
-15.7470

32.5460, 0.0840,  
42.5480

139.1670, 0.1870,  
-19.9170

29.0130, 0.2670,

147.1190, 0.1420,

44.7390

-24.6100

■ 154.4840, 0.3720,  
-28.7800

# Harmonies

## Analogous

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



84.0880, -14.6270, 6.2770



86.1500, -0.0020, 11.0540



86.3210, 12.6980, 12.1700

# Triad

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



86.1500, -0.0020, 11.0540



84.7710, 19.5780, -2.3900



77.6050, -27.0490, -10.8970

# Complementary

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



86.1500, -0.0020, 11.0540



97.8500, 0.0020, -11.0540

# 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.



79.3090, -14.5320, -11.9720



86.1500, -0.0020, 11.0540



83.0040, 11.3720, -7.8600

# Square

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



86.1500, -0.0020, 11.0540



85.1400, 23.1530, 4.4090



81.2520, -1.1900, -11.4780



77.6030, -32.7350, -6.9670



# Rectangle

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



86.1500, -0.0020, 11.0540



86.2030, 18.8420, 10.9540



81.2520, -1.1900, -11.4780



78.0460, -23.9770, -11.5050

# Sweetspot

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



86.1500, -0.0020, 11.0540



130.6350, -0.2300, 4.1700



89.0080, -11.6460, 1.8100



64.5810, -0.1380, 2.5020



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



86.1500, -0.0020, 11.0540



107.6650, 0.2260, 17.9380



89.6240, 7.4710, 13.2870



49.5810, -0.1380, 2.5020



32.1750, -0.0090, 49.7430



67.3980, 0.0270, 104.1790



# Inverse Universe

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



88.1420, 11.6440, 9.2440



110.7240, 18.9330, 14.8130



94.3760, -7.4710, -13.2870



50.1360, 2.6130, 2.2050



41.1390, 52.3980, 41.5980



86.1370, 109.7470, 87.0830



# Previews

## White Background



This preview shows how the YIQ color 86.1500, -0.0020, 11.0540 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 86.1500, -0.0020, 11.0540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

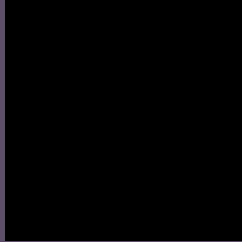
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 86.1500, -0.0020, 11.0540**

## **Background**



This preview shows how black text looks on a background with the YIQ color 86.1500, -0.0020, 11.0540.



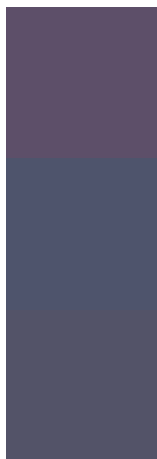
This preview shows how white text looks on a background with the YIQ color 86.1500, -0.0020,



# 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

86.1500, -0.0020, 11.0540

### Protanopia

84.9420, -11.2800, 6.1920

### Deuteranopia

85.3940, -6.7410, 6.5310



## Tritanopia

85.0760, 2.8420, 3.5620

# Trichromacy



## Original Color

86.1500, -0.0020, 11.0540

## Protanomaly

85.1490, -7.4290, 7.9870

## Deuteranomaly

86.0030, -4.0820, 7.9020

## Tritanomaly

85.4720, 1.7870, 6.1630

# Monochromacy



## Original Color

86.1500, -0.0020, 11.0540

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

85.9340, 0.3660, 4.3820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.1500, -0.0020, 11.0540 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(93, 79, 105)` looks like.

```
.text, #text, p{  
    color:rgb(93, 79, 105)  
}
```

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(93, 79, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 79, 105) }
```

## Border

The CSS property to change the border of an element to YIQ 86.1500, -0.0020, 11.0540 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(93, 79, 105) }
```



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

```
.border{ border-color:rgb(93, 79, 105) }
```

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

Here you see how a box with a 4 pixel rgb(93, 79, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 79, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 79, 105);  
box-shadow:4px 4px 4px 4px rgb(93, 79,  
105) }
```

# Background

The CSS property to change the background color of an element to YIQ 86.1500, -0.0020, 11.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 79, 105) }
```

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

```
.background{ background-color: rgb(93, 79,  
105) }
```

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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