

# Converting Colors

YIQ(85.0910, -1.5140, 5.4140)

Have a look what the booklet for  
YIQ(85.0910, -1.5140, 5.4140)  
contains.

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# Color

**YIQ(85.0910, -1.5140,  
5.4140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	575260
RGB	87, 82, 96
RGB Percent	34%, 32%, 38%
CMY	0.6588, 0.6784, 0.6235
CMYK	0.09, 0.15, 0.00, 0.62
HSL	261°, 8%, 35%
HSV	261°, 15%, 38%
XYZ	9.0592, 8.9052, 12.3067
YIQ	85.0910, -1.5140, 5.4140

# Conversions

## Conversions Part 2

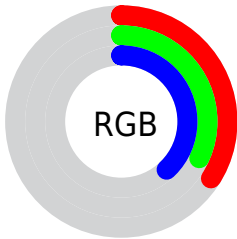
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 82, 96
Decimal	5722720
CIE Lab	35.80, 5.11, -7.39
CIE LCh	36, 8.985, 304.698
Yxy	8.9052, 0.2993, 0.2942
Android (android.graphics.Color)	4283912800 (0xFF575260)
YUV	85.0910, 5.3781, 1.6742
Hunter-Lab	29.8416, 1.9657, -3.5621

# Details

The YIQ color **85.0910, -1.5140, 5.4140** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **92.9090, 1.5140, -5.4140**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.5040, -1.2390, 5.9370**, and **39.9770, -1.1930, 5.1030** is the 20% darker color. If you saturate the color by 10%, you get **77.4270, -2.3400, 9.3720**, and if you desaturate by 10%, it is **92.7550, -0.6880, 1.4560**.

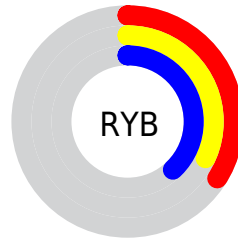
# Distribution



Red (34%)

Green (32%)

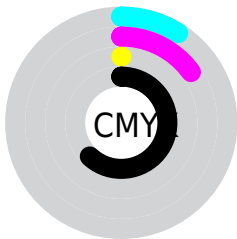
Blue (38%)



Red (34%)

Yellow (32%)

Blue (38%)

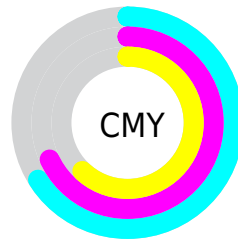


Cyan (9%)

Magenta (15%)

Yellow (0%)

Black (62%)



Cyan (66%)

Magenta (68%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.0910, -1.5140, 5.4140 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 85.0910, -1.5140, 5.4140 by changing the saturation by 10% instead.



■ 85.0910, -1.5140,  
5.4140

■ 85.0910, -1.5140,  
5.4140

■ 255.0000, -0.0000,  
-0.0000

■ 61.9770, -1.1930,  
5.1030

■ 134.5040, -1.2390,  
5.9370

■ 39.9770, -1.1930,  
5.1030

■ 160.6180, -1.5600,  
6.2480

■ 19.8630, -0.8720,  
4.7920

■ 187.6180, -1.5600,  
6.2480

■ 0.0000, 0.0000,  
0.0000

■ 215.6180, -1.5600,  
6.2480

■ 243.8030, -0.6430,  
6.1490

■ 85.0910, -1.5140,  
5.4140

■ 85.0910, -1.5140,  
5.4140

■ 77.4270, -2.3400,  
9.3720

■ 92.7550, -0.6880,  
1.4560

■ 70.3500, -3.4410,  
12.8070

■ 99.8320, 0.4130,  
-1.9790

■ 62.6860, -4.2670,  
16.7650

■ 107.7950, 1.8350,  
-5.7250

■ 55.3100, -5.9640,  
19.9880

■ 114.8720, 2.9360,  
-9.1600

■ 47.6460, -6.7900,  
23.9460

■ 122.5360, 3.7620,  
-13.1180

■ 39.9820, -7.6160,  
27.9040

■ 130.2000, 4.5880,  
-17.0760

■ 32.9050, -8.7170,  
31.3390

■ 137.2770, 5.6890,  
-20.5110

■ 25.2410, -9.5430,

■ 144.9410, 6.5150,

35.2970

-24.4690

■ 21.1100, -10.5520,  
37.0640

■ 152.3170, 8.2120,  
-27.6920

# Harmonies

## Analogous

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



83.8020, -8.0700, 3.0820



85.0910, -1.5140, 5.4140



85.6250, 5.7300, 6.2900

# Triad

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



85.0910, -1.5140, 5.4140



84.6330, 11.2790, -0.6650



81.3790, -11.5530, -5.3850

# Complementary

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



85.0910, -1.5140, 5.4140



92.9090, 1.5140, -5.4140

# 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.



82.3750, -5.7300, -6.2900



85.0910, -1.5140, 5.4140



83.8990, 7.4740, -3.2940

# Square

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



85.0910, -1.5140, 5.4140



85.2250, 12.6080, 2.7840



82.9090, 1.5140, -5.4140



81.8780, -14.3960, -3.4200



# Rectangle

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



85.0910, -1.5140, 5.4140



85.4790, 9.0770, 6.2050



82.9090, 1.5140, -5.4140



81.7490, -9.7190, -5.5830

# Sweetspot

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



85.0910, -1.5140, 5.4140



121.1680, -0.4130, 1.9790



88.8790, -6.9690, -0.3530



61.6410, -0.3670, 1.1450



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



85.0910, -1.5140, 5.4140



108.4870, -2.5690, 8.0150



87.1840, 2.6580, 6.8980



44.7550, -0.6880, 1.4560



24.7280, -12.1120, 43.3120



53.0740, -25.7840, 92.8720



# Inverse Universe

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



87.2120, 5.4550, 5.7670



111.7610, 8.3430, 8.4950



90.8160, -2.6580, -6.8980



45.5380, 1.4210, 1.7810



41.6960, 43.6400, 46.1360



89.3160, 93.6060, 98.7740



# Previews

## White Background



This preview shows how the YIQ color 85.0910, -1.5140, 5.4140 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 85.0910, -1.5140, 5.4140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

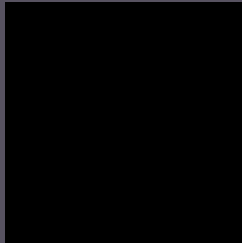
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 85.0910, -1.5140, 5.4140**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.0910, -1.5140, 5.4140.



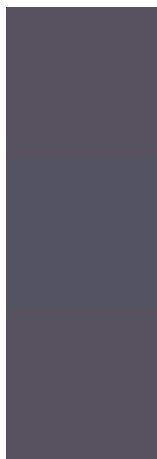
This preview shows how white text looks on a background with the YIQ color 85.0910, -1.5140,



# 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

85.0910, -1.5140, 5.4140

### Protanopia

84.8840, -5.3650, 3.6190

### Deuteranopia

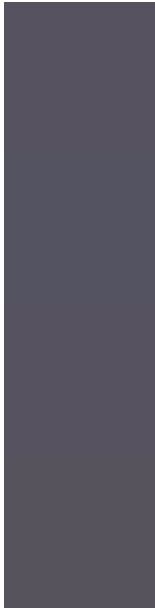
85.0910, -1.5140, 5.4140



## Tritanopia

84.6950, -0.4590, 2.8130

# Trichromacy



## Original Color

85.0910, -1.5140, 5.4140

## Protanomaly

84.8950, -3.8980, 4.5660

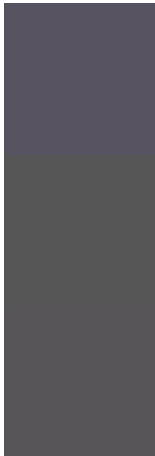
## Deuteranomaly

85.0910, -1.5140, 5.4140

## Tritanomaly

84.9230, -1.1010, 3.4350

# Monochromacy



## Original Color

85.0910, -1.5140, 5.4140

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.1680, -0.4130, 1.9790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.0910, -1.5140, 5.4140 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, 82, 96)` looks like.

```
.text, #text, p{  
    color:rgb(87, 82, 96)  
}
```

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, 82, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 82, 96) }
```

## Border

The CSS property to change the border of an element to YIQ 85.0910, -1.5140, 5.4140 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, 82, 96) }
```



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

```
.border{ border-color:rgb(87, 82, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 82, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 82, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 82, 96);  
box-shadow:4px 4px 4px 4px rgb(87, 82, 96)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 85.0910, -1.5140, 5.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 82, 96) }
```

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

```
.background{ background-color: rgb(87, 82,  
96) }
```

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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