

# Converting Colors

YIQ(163.4650, 56.3910, 18.7830)

Have a look what the booklet for  
YIQ(163.4650, 56.3910, 18.7830)  
contains.

|  |    |
|--|----|
| <b>YIQ(163.4650, 56.3910, 18.7830)</b> .....   | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**YIQ(163.4650, 56.3910,  
18.7830)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | E58885                     |
| RGB           | 229, 136, 133              |
| RGB Percent   | 90%, 53%, 52%              |
| CMY           | 0.1017, 0.4668, 0.4782     |
| CMYK          | 0.00, 0.41, 0.42, 0.10     |
| HSL           | 2°, 65%, 71%               |
| HSV           | 2°, 42%, 90%               |
| XYZ           | 45.3672, 35.9596, 26.7610  |
| YIQ           | 163.4650, 56.3910, 18.7830 |

# Conversions

## Conversions Part 2

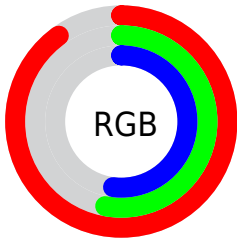
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 229, 136, 133                  |
| Decimal                             | 15042693                       |
| CIE Lab                             | 66.49, 35.20, 16.94            |
| CIE LCh                             | 66, 39.065, 25.705             |
| Yxy                                 | 35.9596, 0.4197,<br>0.3327     |
| Android<br>(android.graphics.Color) | 4293232773<br>(0xFFE58885)     |
| YUV                                 | 163.4650, -15.0192,<br>57.4742 |
| Hunter-Lab                          | 59.9663, 30.1023,<br>15.5173   |

# Details

The YIQ color **163.4650, 56.3910, 18.7830** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **198.5350, -56.3910, -18.7830**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **208.9790, 40.0240, 12.5360**, and **110.0130, 51.8520, 18.4440** is the 20% darker color. If you saturate the color by 10%, you get **147.9290, 69.8240, 23.1360**, and if you desaturate by 10%, it is **179.0010, 42.9580, 14.4300**.

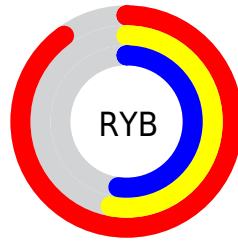
# Distribution



Red (90%)

Green (53%)

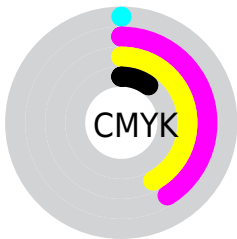
Blue (52%)



Red (90%)

Yellow (53%)

Blue (52%)

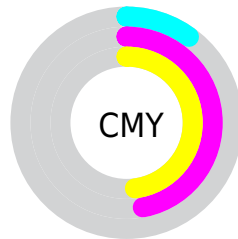


Cyan (0%)

Magenta (41%)

Yellow (42%)

Black (10%)



Cyan (10%)

Magenta (47%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 163.4650, 56.3910, 18.7830 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 163.4650, 56.3910, 18.7830 by changing the saturation by 10% instead.





 163.4650, 56.3910,  
18.7830


 163.4650, 56.3910,  
18.7830


255.0000, -0.0000,  
-0.0000

 136.6820, 54.2820,  
18.4580


 208.9790, 40.0240,  
12.5360


 110.0130, 51.8520,  
18.4440


 229.1940, 23.0610,  
6.0770

 83.9310, 49.1470,  
17.9070

 248.8220, 6.3730,  
0.1410

 59.0770, 45.8000,  
17.9920

 31.7010, 44.1030,  
21.2150

 17.9400, 35.7600,  
12.7200

 10.2800, 19.9430,

7.5190

■ 0.0000, 0.0000,  
0.0000

■ 163.4650, 56.3910,  
18.7830

■ 163.4650, 56.3910,  
18.7830

■ 147.9290, 69.8240,  
23.1360

■ 179.0010, 42.9580,  
14.4300

■ 132.3930, 83.2570,  
27.4890

■ 194.5370, 29.5250,  
10.0770

■ 116.2700, 96.9650,  
32.3650

■ 210.6600, 15.8170,  
5.2010

■ 100.7340,  
110.3980, 36.7180

■ 226.1960, 2.3840,  
0.8480

■ 85.3120, 123.5100,  
41.3820

■ 241.7320,  
-11.0490, -3.5050

■ 72.5800, 134.5590,  
44.8870

■ 247.2260,  
-15.4960, -5.5120

# Harmonies

## Analogous

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



165.0850, 43.3220, 29.8660



163.4650, 56.3910, 18.7830



162.2560, 54.8810, 2.0890

# Triad

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



163.4650, 56.3910, 18.7830



150.5940, -20.4890, -30.6730



153.9640, -61.0720, 5.4880

# Complementary

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



163.4650, 56.3910, 18.7830



198.5350, -56.3910, -18.7830

# 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.



128.5880, -116.6360, -22.7800



163.4650, 56.3910, 18.7830



141.2700, -63.4950, -33.2150

# Square

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



163.4650, 56.3910, 18.7830



156.0080, 13.5760, -25.7840



127.4340, -110.8110, -34.7390



163.2900, -20.4070, 22.9290



# Rectangle

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



163.4650, 56.3910, 18.7830



160.6150, 46.0800, -9.1200



127.4340, -110.8110, -34.7390



148.3210, -75.5590, -1.7910

# Sweetspot

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



163.4650, 56.3910, 18.7830



232.4540, 19.3930, 6.4730



172.4200, 27.0420, 49.5860



113.8660, 12.2410, 3.9290



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.



163.4650, 56.3910, 18.7830



167.7340, 74.8670, 25.3550



191.0540, 43.4660, -5.7980



107.1750, 6.8770, 2.0210



56.4560, 105.3090, 35.3330



16.4230, 29.8460, 9.7660



# Inverse Universe

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



198.5350, -56.3910, -18.7830



214.6790, -74.5920, -24.8320



170.9460, -43.4660, 5.7980



110.8250, -6.8770, -2.0210



121.9570, -105.0340, -34.8100



34.5770, -29.8460, -9.7660



# Previews

## White Background



This preview shows how the YIQ color 163.4650, 56.3910, 18.7830 looks on a white 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



# Black Background



This preview shows how the YIQ color 163.4650, 56.3910, 18.7830 looks on a black 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

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

# YIQ 163.4650, 56.3910, 18.7830

## Background



This preview shows how black text looks on a background with the YIQ color 163.4650, 56.3910, 18.7830.



This preview shows how white text looks on a background with the YIQ color 163.4650, 56.3910,



# 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

163.4650, 56.3910, 18.7830

### Protanopia

162.2690, 9.3080, -3.4920

### Deuteranopia

162.9030, 28.0140, -1.0900



## Tritanopia

163.8440, 54.0060, 23.4620

# Trichromacy



## Original Color

163.4650, 56.3910, 18.7830

## Protanomaly

162.9940, 26.5000, 4.3240

## Deuteranomaly

163.3930, 38.5580, 6.0620

## Tritanomaly

163.9750, 55.0150, 21.6950

# Monochromacy



## Original Color

163.4650, 56.3910, 18.7830

## Achromatopsia

163.0000, -0.0000, -0.0000

## Achromatomaly

163.0520, 20.5850, 6.8970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 163.4650, 56.3910, 18.7830 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(229, 136, 133)` looks like.

```
.text, #text, p{  
    color:rgb(229, 136, 133)  
}
```

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(229, 136, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 136, 133) }
```

## Border

The CSS property to change the border of an element to YIQ 163.4650, 56.3910, 18.7830 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(229, 136, 133) }
```



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

```
.border{ border-color:rgb(229, 136, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 136, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 136, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 136, 133); box-shadow:4px 4px 4px 4px rgb(229, 136, 133) }
```

# Background

The CSS property to change the background color of an element to YIQ 163.4650, 56.3910, 18.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 136, 133) }
```

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

```
.background{ background-color: rgb(229,  
136, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor