

# Converting Colors

YIQ(174.9430, 55.7590,  
-35.8650)

Have a look what the booklet for  
YIQ(174.9430, 55.7590, -35.8650)  
contains.

**YIQ(174.9430, 55.7590, -35.8650) ..... 3**

***Conversions* ..... 4**

***Details* ..... 6**

***Harmonies* ..... 12**

***Previews* ..... 24**

***Color Blindness Simulation* ..... 28**

***CSS Examples* ..... 31**

# Color

**YIQ(174.9430, 55.7590,  
-35.8650)**

# Conversions

| Conversions Part 1 |                             |
|--------------------|-----------------------------|
| Format             | Color                       |
| Hex                | CEB734                      |
| RGB                | 206, 183, 52                |
| RGB Percent        | 81%, 72%, 20%               |
| CMY                | 0.1922, 0.2824, 0.7957      |
| CMYK               | 0.00, 0.11, 0.75, 0.19      |
| HSL                | 51°, 61%, 51%               |
| HSV                | 51°, 75%, 81%               |
| XYZ                | 43.0048, 47.2323, 10.1087   |
| YIQ                | 174.9430, 55.7590, -35.8650 |

# Conversions

## Conversions Part 2

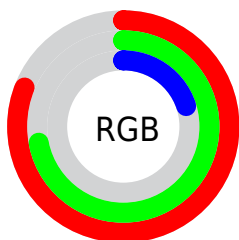
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">79, 206, 52</a>                 |
| Decimal                             | <a href="#">13547316</a>                    |
| CIELab                              | <a href="#">74.34, -5.54, 65.19</a>         |
| CIELCh                              | <a href="#">74, 65.429, 94.855</a>          |
| Yxy                                 | <a href="#">47.2323, 0.4286, 0.4707</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291737396</a><br>(0xFFCEB734)  |
| YUV                                 | <a href="#">174.9430, -60.6109, 27.2370</a> |
| Hunter-Lab                          | <a href="#">68.7258, -8.5747, 39.3872</a>   |

# Details

The YIQ color **174.9430, 55.7590, -35.8650** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **83.0570, -55.7590, 35.8650**, and the grayscale version is **175.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **228.8500, 51.5870, -37.3490**, and **120.5620, 52.4580, -36.6140** is the 20% darker color. If you saturate the color by 10%, you get **170.7880, 63.3250, -40.8270**, and if you desaturate by 10%, it is **179.0980, 48.1930, -30.9030**.

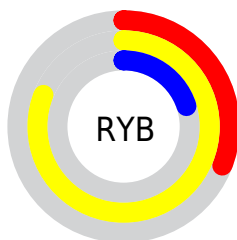
# Distribution



Red (81%)

Green (72%)

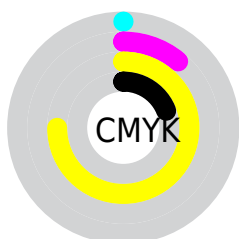
Blue (20%)



Red (31%)

Yellow (81%)

Blue (20%)

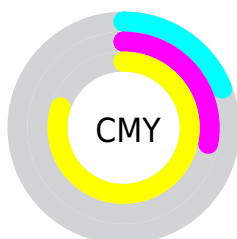


Cyan (0%)

Magenta (11%)

Yellow (75%)

Black (19%)



Cyan (19%)

Magenta (28%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 174.9430, 55.7590, -35.8650 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 174.9430, 55.7590, -35.8650 by changing the saturation by 10% instead.





 174.9430, 55.7590,  
-35.8650


 174.9430, 55.7590,  
-35.8650


255.0000, -0.0000,  
-0.0000


 146.4330, 57.1350,  
-38.7770


 228.8500, 51.5870,  
-37.3490


 120.5620, 52.4580,  
-36.6140


 241.3200, 38.5200,  
-37.3200


 97.8030, 41.7740,  
-30.2100


 244.5120, 29.5320,  
-28.6120

 75.6420, 32.2820,  
-23.3820

 247.8180, 20.2230,  
-19.5930

 54.0680, 22.5150,  
-17.0770

 251.0100, 11.2350,  
-10.8850

 34.2660, 13.3900,  
-11.3940

 254.4300, 1.6050,

 13.5560, 1.0100,

-1.5550

-7.2940

0.0000, 0.0000,  
0.0000

174.9430, 55.7590,  
-35.8650

174.9430, 55.7590,  
-35.8650

170.7880, 63.3250,  
-40.8270

179.0980, 48.1930,  
-30.9030

166.7470, 70.5700,  
-45.4780

183.1390, 40.9480,  
-26.2520


164.3190, 74.6510,  
-47.8530


187.2940, 33.3820,  
-21.2900

191.3350, 26.1370,  
-16.6390

195.4900, 18.5710,  
-11.6770

 199.6450, 11.0050,  
-6.7150

 204.2730, 3.4850,  
-2.5870

 208.4280, -4.0810,  
2.3750

 212.4690,  
-11.3260, 7.0260

# Harmonies

## Analogous

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



178.8460, 84.9140, -8.0620



174.9430, 55.7590, -35.8650



168.3480, 5.7860, -49.8140

# Triad

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



174.9430, 55.7590, -35.8650



152.3570, -138.2750, -32.6030



184.0410, 38.5950, 54.9710

# Complementary

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



174.9430, 55.7590, -35.8650



83.0570, -55.7590, 35.8650

# 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.



183.9530, -8.6720, 36.0320



174.9430, 55.7590, -35.8650



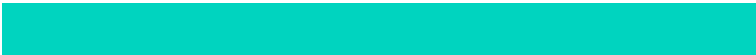
147.6440, -137.4050, -26.3410

# Square

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



174.9430, 55.7590, -35.8650



146.2180, -119.6110, -51.4750



158.8830, -91.8810, -3.3450



170.7440, 60.8800, 42.0640



# Rectangle

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



174.9430, 55.7590, -35.8650



159.4750, -40.1080, -55.0840



158.8830, -91.8810, -3.3450



188.0980, 25.2530, 54.4770

# Sweetspot

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



174.9430, 55.7590, -35.8650



243.9200, 20.1760, -13.2320



100.6680, 84.4010, 39.8010



121.1890, 12.2890, -7.9590



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.



174.9430, 55.7590, -35.8650



208.8220, 83.1800, -53.7480



172.2980, 17.2500, -59.3420



99.6860, 3.7600, -2.0640



132.4010, 60.1610, -38.5510



30.7330, 13.5730, -9.2030



# Inverse Universe

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



83.0570, -55.7590, 35.8650



71.7650, -83.4550, 53.2250



85.7020, -17.2500, 59.3420



93.7270, -3.4850, 2.5870



33.5990, -60.1610, 38.5510

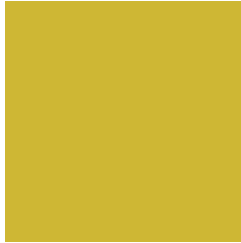


7.8540, -13.8480, 8.6800



# Previews

## White Background



This preview shows how the YIQ color 174.9430, 55.7590, -35.8650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

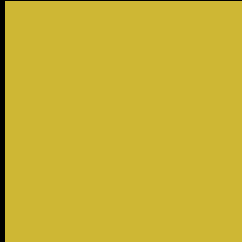
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 174.9430, 55.7590, -35.8650 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 174.9430, 55.7590, -35.8650**

## **Background**



This preview shows how black text looks on a background with the YIQ color 174.9430, 55.7590, -35.8650.



This preview shows how white text looks on a background with the YIQ color 174.9430, 55.7590, -35.8650.



# 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

174.9430, 55.7590, -35.8650

### Protanopia

174.6440, 55.1630, -36.0770

### Deuteranopia

176.9930, 70.6580, -25.0380




## Tritanopia

185.9370, 22.6470, 13.5830

# Trichromacy

|   |  |
|---|--|
|  | <b>Original Color</b><br>174.9430, 55.7590, -35.8650 |
|   | <b>Protanomaly</b><br>174.6440, 55.1630, -36.0770    |
|   | <b>Deuteranomaly</b><br>176.2480, 65.3860, -28.6140  |
|  | <b>Tritanomaly</b><br>181.6170, 34.5710, -4.2850     |

# Monochromacy

|  |  |
|--|--|
|  | <b>Original Color</b><br>174.9430, 55.7590, -35.8650 |
|  | <b>Achromatopsia</b><br>175.0000, -0.0000, -0.0000   |
|  | <b>Achromatomaly</b><br>174.9200, 20.1760, -13.2320  |

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 174.9430, 55.7590, -35.8650 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(206, 183, 52)` looks like.

```
.text, #text, p{  
    color:rgb(206, 183, 52)  
}
```

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(206, 183, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 183, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 174.9430, 55.7590, -35.8650 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(206, 183, 52) }
```



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

```
.border{ border-color:rgb(206, 183, 52) }
```

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

Here you see how a box with a 4 pixel rgb(206, 183, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 183, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 183, 52);  
box-shadow:4px 4px 4px 4px rgb(206, 183,  
52) }
```

# Background

The CSS property to change the background color of an element to YIQ 174.9430, 55.7590, -35.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 183, 52) }
```

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

```
.background{ background-color: rgb(206,  
183, 52) }
```

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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