

# Converting Colors

YIQ(85.8330, 25.0350, -7.6770)

Have a look what the booklet for  
YIQ(85.8330, 25.0350, -7.6770)  
contains.

|  |    |
|--|----|
| <b>YIQ(85.8330, 25.0350, -7.6770)</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(85.8330, 25.0350,  
-7.6770)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 69542D                    |
| RGB           | 105, 84, 45               |
| RGB Percent   | 41%, 33%, 18%             |
| CMY           | 0.5882, 0.6706, 0.8234    |
| CMYK          | 0.00, 0.20, 0.57, 0.59    |
| HSL           | 39°, 40%, 29%             |
| HSV           | 39°, 57%, 41%             |
| XYZ           | 9.4704, 9.5326, 3.8268    |
| YIQ           | 85.8330, 25.0350, -7.6770 |

# Conversions

## Conversions Part 2

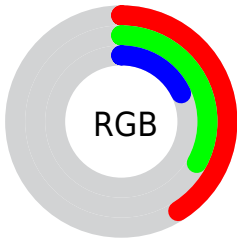
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 77, 105, 45                   |
| Decimal                             | 6902829                       |
| CIE <sub>Lab</sub>                  | 36.99, 3.39, 25.85            |
| CIE <sub>LCh</sub>                  | 37, 26.072, 82.521            |
| Yxy                                 | 9.5326, 0.4148,<br>0.4176     |
| Android<br>(android.graphics.Color) | 4285092909<br>(0xFF69542D)    |
| YUV                                 | 85.8330, -20.1307,<br>16.8095 |
| Hunter-Lab                          | 30.8750, 0.7208,<br>14.2638   |

# Details

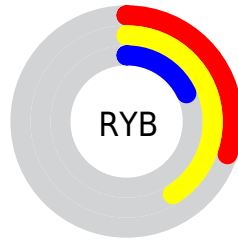
The YIQ color **85.8330, 25.0350, -7.6770** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **64.1670, -25.0350, 7.6770**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.8010, 28.0610, -7.4510**, and **39.6370, 22.6510, -8.5250** is the 20% darker color. If you saturate the color by 10%, you get **82.3450, 29.3450, -8.6950**, and if you desaturate by 10%, it is **89.4350, 20.4040, -6.3480**.

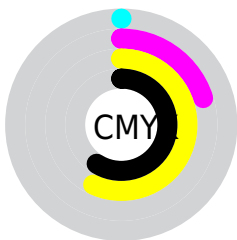
# Distribution



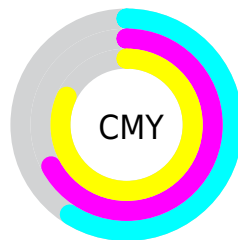
- Red (41%)
- Green (33%)
- Blue (18%)



- Red (30%)
- Yellow (41%)
- Blue (18%)



- Cyan (0%)
- Magenta (20%)
- Yellow (57%)
- Black (59%)



- Cyan (59%)
- Magenta (67%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.8330, 25.0350, -7.6770 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 85.8330, 25.0350, -7.6770 by changing the saturation by 10% instead.



85.8330, 25.0350,  
-7.6770

85.8330, 25.0350,  
-7.6770

255.0000, -0.0000,  
-0.0000

62.3490, 23.5220,  
-7.7900

135.8010, 28.0610,  
-7.4510

39.6370, 22.6510,  
-8.5250

161.9860, 28.9780,  
-7.5500

20.7210, 13.8470,  
-3.1530

189.4700, 30.4910,  
-7.4370

0.0000, 0.0000,  
0.0000

217.5410, 31.7290,  
-7.8470

240.7570, 22.1930,  
-11.2390

251.5800, 9.6300,

-9.3300

254.7720, 0.6420,  
-0.6220

■ 85.8330, 25.0350,  
-7.6770

■ 85.8330, 25.0350,  
-7.6770

■ 82.3450, 29.3450,  
-8.6950

■ 89.4350, 20.4040,  
-6.3480

■ 79.3300, 33.7010,  
-10.5470

■ 92.3360, 16.3690,  
-4.8070

■ 75.8420, 38.0110,  
-11.5650

■ 95.9380, 11.7380,  
-3.4780

■ 72.2400, 42.6420,  
-12.8940

■ 99.4260, 7.4280,  
-2.4600

■ 71.3110, 43.8800,  
-13.3040

■ 102.4410, 3.0720,  
-0.6080

■ 105.9290, -1.2380,  
0.4100

■ 109.5310, -5.8690,  
1.7390

■ 112.4320, -9.9040,  
3.2800

■ 116.0340,  
-14.5350, 4.6090

# Harmonies

## Analogous

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



87.2350, 33.0110, 1.9630



85.8330, 25.0350, -7.6770



83.8910, 9.9520, -15.1680

# Triad

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



85.8330, 25.0350, -7.6770



69.1540, -59.6920, -19.5320



89.7860, 7.1950, 18.2910

# Complementary

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



85.8330, 25.0350, -7.6770



64.1670, -25.0350, 7.6770

# 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.



87.8910, -15.2700, 12.4260



85.8330, 25.0350, -7.6770



70.0320, -64.9200, -12.8880

# Square

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



85.8330, 25.0350, -7.6770



75.4310, -35.6670, -19.9150



81.1650, -39.8890, 1.5430



89.3550, 24.5260, 18.0780



# Rectangle

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



85.8330, 25.0350, -7.6770



82.0790, -2.3810, -17.4290



81.1650, -39.8890, 1.5430



89.1380, 0.2720, 17.1040

# Sweetspot

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



85.8330, 25.0350, -7.6770



129.9810, 10.1790, -2.7570



65.4480, 28.6980, 19.5620



64.4690, 5.8690, -1.7390



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.



85.8330, 25.0350, -7.6770



107.2120, 39.8450, -11.7630



95.7680, 14.4920, -20.3560



52.1420, 2.4760, -0.8200



79.5950, 48.8320, -14.9440



166.5880, 102.2950, -31.2170



# Inverse Universe

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



64.1670, -25.0350, 7.6770



73.2010, -39.5700, 12.2860



54.2320, -14.4920, 20.3560



49.8580, -2.4760, 0.8200



37.4050, -48.8320, 14.9440



78.4120, -102.2950, 31.2170



# Previews

## White Background



This preview shows how the YIQ color 85.8330, 25.0350, -7.6770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

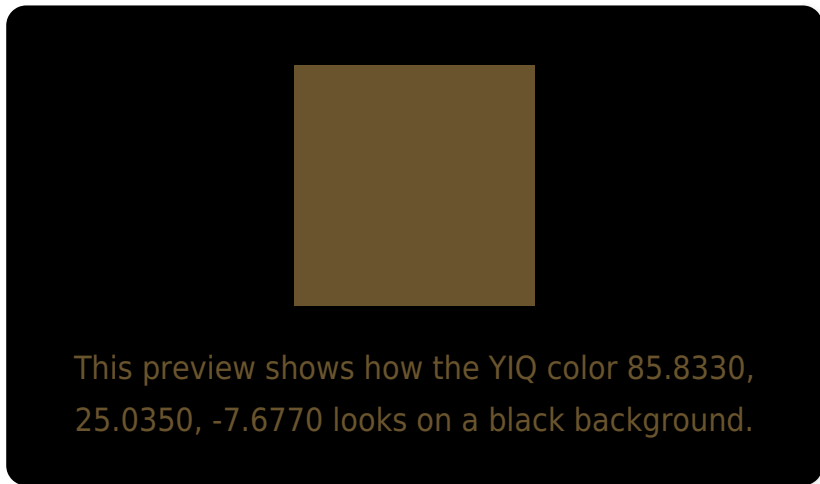
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

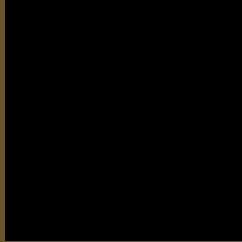
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 85.8330, 25.0350, -7.6770**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.8330, 25.0350, -7.6770.



This preview shows how white text looks on a background with the YIQ color 85.8330, 25.0350,

-7.6770.

# 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

85.8330, 25.0350, -7.6770

### Protanopia

85.0170, 18.5250, -10.8430

### Deuteranopia

85.8440, 26.5020, -6.7300



## Tritanopia

88.3550, 15.3580, 8.0140

# Trichromacy



## Original Color

85.8330, 25.0350, -7.6770

## Protanomaly

85.3270, 20.5880, -9.6840

## Deuteranomaly

85.5450, 25.9060, -6.9420

## Tritanomaly

87.5200, 19.0270, 2.0910

# Monochromacy



## Original Color

85.8330, 25.0350, -7.6770

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

85.7960, 9.2620, -2.6580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.8330, 25.0350, -7.6770 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(105, 84, 45)` looks like.

```
.text, #text, p{  
    color:rgb(105, 84, 45)  
}
```

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(105, 84, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 84, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 85.8330, 25.0350, -7.6770 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(105, 84, 45) }
```



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

```
.border{ border-color:rgb(105, 84, 45) }
```

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

Here you see how a box with a 4 pixel rgb(105, 84, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 84, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 84, 45);  
box-shadow:4px 4px 4px 4px rgb(105, 84,  
45) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.8330, 25.0350, -7.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 84, 45) }
```

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

```
.background{ background-color: rgb(105, 84,  
45) }
```

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