

# Converting Colors

YIQ(76.8170, 4.7690, -3.8310)

Have a look what the booklet for  
YIQ(76.8170, 4.7690, -3.8310)  
contains.

<b>YIQ(76.8170, 4.7690, -3.8310)</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(76.8170, 4.7690,  
-3.8310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4F4E41
RGB	79, 78, 65
RGB Percent	31%, 31%, 25%
CMY	0.6902, 0.6941, 0.7451
CMYK	0.00, 0.01, 0.18, 0.69
HSL	56°, 10%, 28%
HSV	56°, 18%, 31%
XYZ	6.9030, 7.4927, 6.0845
YIQ	76.8170, 4.7690, -3.8310

# Conversions

## Conversions Part 2

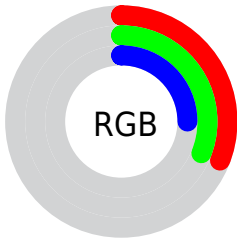
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 79, 65
Decimal	5197377
CIE <sub>Lab</sub>	32.90, -2.18, 7.85
CIE <sub>LCh</sub>	33, 8.149, 105.504
Yxy	7.4927, 0.3371, 0.3658
Android (android.graphics.Color)	4283387457 (0xFF4F4E41)
YUV	76.8170, -5.8258, 1.9145
Hunter-Lab	27.3727, -2.8869, 5.9816

# Details

The YIQ color **76.8170, 4.7690, -3.8310** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **67.1830, -4.7690, 3.8310**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.7030, 5.0900, -4.1420**, and **32.6320, 3.8520, -3.7320** is the 20% darker color. If you saturate the color by 10%, you get **75.3180, 7.6120, -5.7960**, and if you desaturate by 10%, it is **78.3160, 1.9260, -1.8660**.

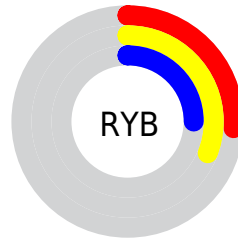
# Distribution



Red (31%)

Green (31%)

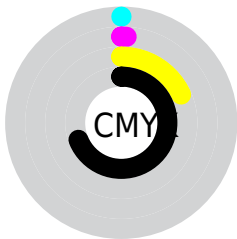
Blue (25%)



Red (26%)

Yellow (31%)

Blue (25%)

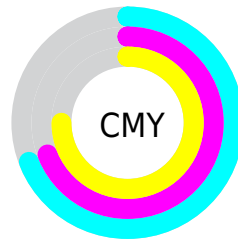


Cyan (0%)

Magenta (1%)

Yellow (18%)

Black (69%)



Cyan (69%)

Magenta (69%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.8170, 4.7690, -3.8310 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 76.8170, 4.7690, -3.8310 by changing the saturation by 10% instead.



■ 76.8170, 4.7690,  
-3.8310

■ 76.8170, 4.7690,  
-3.8310

■ 255.0000, -0.0000,  
-0.0000

■ 53.9310, 4.4480,  
-3.5200

■ 125.7030, 5.0900,  
-4.1420

■ 32.6320, 3.8520,  
-3.7320

■ 151.5890, 5.4110,  
-4.4530

■ 10.3330, 3.2560,  
-3.9440

■ 178.5890, 5.4110,  
-4.4530

■ 0.0000, 0.0000,  
0.0000

■ 205.8880, 6.0070,  
-4.2410

■ 233.8880, 6.0070,  
-4.2410

■ 254.2020, 2.2470,

-2.1770

■ 76.8170, 4.7690,  
-3.8310

■ 76.8170, 4.7690,  
-3.8310

■ 75.3180, 7.6120,  
-5.7960

■ 78.3160, 1.9260,  
-1.8660

■ 74.4060, 10.1800,  
-8.2840

■ 79.2280, -0.6420,  
0.6220

■ 72.9070, 13.0230,  
-10.2490

■ 80.7270, -3.4850,  
2.5870

■ 71.9950, 15.5910,  
-12.7370

■ 81.6390, -6.0530,  
5.0750

■ 70.6100, 18.1130,  
-14.3910

■ 83.1380, -8.8960,  
7.0400

■ 69.6980, 20.6810,  
-16.8790

■ 83.9360, -11.1430,  
9.2170

■ 68.1990, 23.5240,  
-18.8440

■ 85.4350, -13.9860,  
11.1820

■ 66.7000, 26.3670,  
-20.8090

■ 86.9340, -16.8290,  
13.1470

■ 66.4720, 27.0090,  
-21.4310

■ 87.8460, -19.3970,  
15.6350

# Harmonies

## Analogous

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



77.7360, 9.4910, -1.3010



76.8170, 4.7690, -3.8310



76.2400, -0.9160, -5.4280

# Triad

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



76.8170, 4.7690, -3.8310



75.3020, -12.6540, -1.9500



78.6960, 6.9680, 5.8800

# Complementary

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



76.8170, 4.7690, -3.8310



67.1830, -4.7690, 3.8310

# 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.



78.6460, 1.2370, 5.1170



76.8170, 4.7690, -3.8310



76.6660, -10.6830, 0.8770

# Square

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



76.8170, 4.7690, -3.8310



75.0200, -11.9200, -4.2400



77.8840, -5.3650, 3.6190



78.4960, 10.4070, 4.1270



# Rectangle

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



76.8170, 4.7690, -3.8310



75.7880, -5.4550, -5.7670



77.8840, -5.3650, 3.6190



78.9130, 4.8590, 5.5550

# Sweetspot

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



76.8170, 4.7690, -3.8310



101.4300, 1.6050, -1.5550



69.3000, 8.0230, 3.2790



50.6580, 0.9630, -0.9330



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



76.8170, 4.7690, -3.8310



98.4320, 7.2910, -5.4850



75.6100, 0.9180, -5.6260



37.5440, 1.2840, -1.2440



86.2630, 34.6670, -28.0610



193.8010, 78.5050, -62.6390



# Inverse Universe

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



67.1830, -4.7690, 3.8310



83.9810, -7.0160, 6.0080



68.3900, -0.9180, 5.6260



35.0430, -1.5590, 0.7210



15.7370, -34.6670, 28.0610



35.6120, -78.2300, 63.1620



# Previews

## White Background



This preview shows how the YIQ color 76.8170, 4.7690, -3.8310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

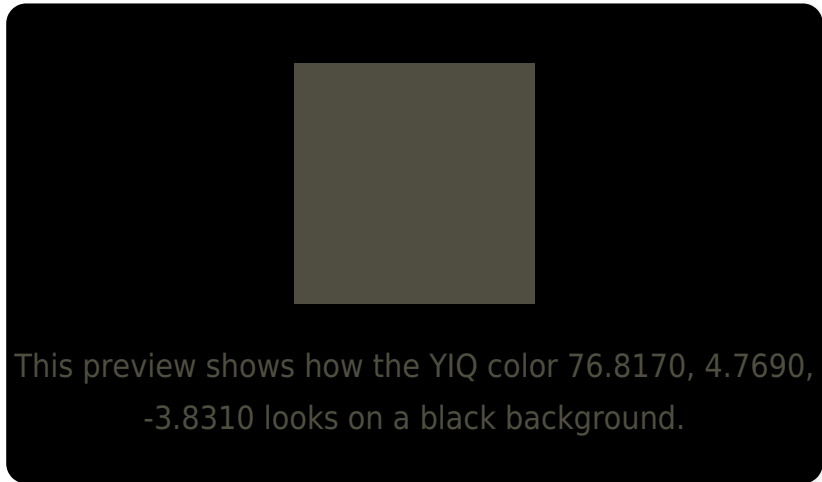
Any Text WCAG AA ✓ Pass

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

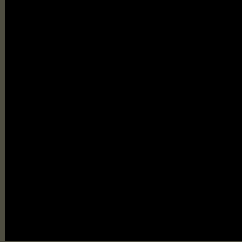
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 76.8170, 4.7690, -3.8310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.8170, 4.7690, -3.8310.



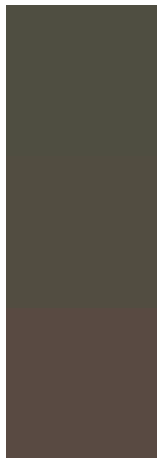
This preview shows how white text looks on a background with the YIQ color 76.8170, 4.7690,

-3.8310.

# 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

76.8170, 4.7690, -3.8310

### Protanopia

77.1270, 6.8320, -2.6720

### Deuteranopia

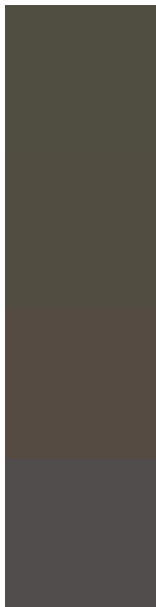
77.5730, 11.5080, 0.6920



## Tritanopia

78.1790, 1.0540, 2.9260

# Trichromacy



## Original Color

76.8170, 4.7690, -3.8310

## Protanomaly

76.8280, 6.2360, -2.8840

## Deuteranomaly

76.9640, 8.8490, -0.6790

## Tritanomaly

77.7830, 2.1090, 0.3250

# Monochromacy



## Original Color

76.8170, 4.7690, -3.8310

## Achromatopsia

77.0000, -0.0000, -0.0000

## Achromatomaly

76.8430, 1.8800, -1.0320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.8170, 4.7690, -3.8310 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(79, 78, 65)` looks like.

```
.text, #text, p{  
    color:rgb(79, 78, 65)  
}
```

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(79, 78, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 78, 65) }
```

## Border

The CSS property to change the border of an element to YIQ 76.8170, 4.7690, -3.8310 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(79, 78, 65) }
```



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

```
.border{ border-color:rgb(79, 78, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 78, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 78, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 78, 65);  
box-shadow:4px 4px 4px 4px rgb(79, 78, 65)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 76.8170, 4.7690, -3.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 78, 65) }
```

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

```
.background{ background-color: rgb(79, 78,  
65) }
```

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