

# Converting Colors

YIQ(82.7090, -4.2150, -17.2310)

Have a look what the booklet for  
YIQ(82.7090, -4.2150, -17.2310)  
contains.

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# Color

**YIQ(82.7090, -4.2150,  
-17.2310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	445F3A
RGB	68, 95, 58
RGB Percent	27%, 37%, 23%
CMY	0.7334, 0.6274, 0.7725
CMYK	0.28, 0.00, 0.39, 0.63
HSL	104°, 24%, 30%
HSV	104°, 39%, 37%
XYZ	7.2394, 9.7201, 5.4980
YIQ	82.7090, -4.2150, -17.2310

# Conversions

## Conversions Part 2

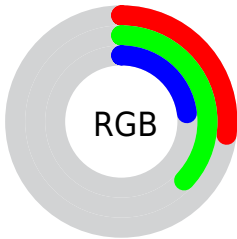
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 95, 85
Decimal	4480826
CIE <sub>Lab</sub>	37.34, -17.95, 18.03
CIE <sub>LCh</sub>	37, 25.444, 134.862
Yxy	9.7201, 0.3224, 0.4328
Android (android.graphics.Color)	4282670906 (0xFF445F3A)
YUV	82.7090, -12.1815, -12.8998
Hunter-Lab	31.1771, -13.1119, 11.3683

# Details

The YIQ color  $[82.7090, -4.2150, -17.2310]$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $[70.2910, 4.2150, 17.2310]$ , and the grayscale version is  $[83.0000, -0.0000, 0.0000]$ .

A 20% lighter version of the original color is  $[132.7690, -4.4440, -18.5880]$ , and  $[37.3500, -4.5820, -16.0860]$  is the 20% darker color. If you saturate the color by 10%, you get  $[79.5900, -5.4980, -21.5140]$ , and if you desaturate by 10%, it is  $[85.9420, -3.2530, -12.6370]$ .

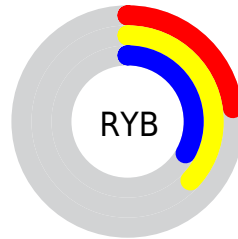
# Distribution



Red (27%)

Green (37%)

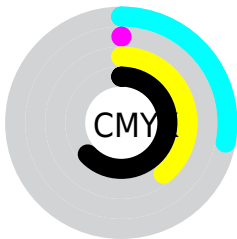
Blue (23%)



Red (23%)

Yellow (37%)

Blue (33%)

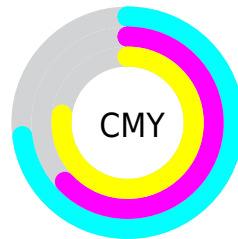


Cyan (28%)

Magenta (0%)

Yellow (39%)

Black (63%)



Cyan (73%)

Magenta (63%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.7090, -4.2150, -17.2310 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 82.7090, -4.2150, -17.2310 by changing the saturation by 10% instead.



■ 82.7090, -4.2150,  
-17.2310

■ 82.7090, -4.2150,  
-17.2310

■ 255.0000, -0.0000,  
-0.0000

■ 59.2360, -4.2610,  
-16.3970

■ 132.7690, -4.4440,  
-18.5880

■ 37.3500, -4.5820,  
-16.0860

■ 158.6550, -4.1230,  
-18.8990

■ 17.0230, -7.9750,  
-15.1670

■ 186.1280, -4.0770,  
-19.7330

■ 0.0000, 0.0000,  
0.0000

■ 213.7150, -4.3520,  
-20.2560

■ 241.1280, -4.0770,  
-19.7330

■ 252.9910, 4.2190,

-4.8770

■ 82.7090, -4.2150,  
-17.2310

■ 82.7090, -4.2150,  
-17.2310

■ 79.5900, -5.4980,  
-21.5140

■ 85.9420, -3.2530,  
-12.6370

■ 76.3570, -6.4600,  
-26.1080

■ 89.0610, -1.9700,  
-8.3540

■ 73.2380, -7.7430,  
-30.3910

■ 92.2940, -1.0080,  
-3.7600

■ 70.0050, -8.7050,  
-34.9850

■ 95.4130, 0.2750,  
0.5230

■ 66.7720, -9.6670,  
-39.5790

■ 98.6460, 1.2370,  
5.1170

■ 63.6530, -10.9500,  
-43.8620

■ 101.7650, 2.5200,  
9.4000

■ 63.5390, -10.6290,  
-44.1730

■ 104.9980, 3.4820,  
13.9940

■ 108.1170, 4.7650,  
18.2770

■ 111.0510, 5.1310,  
22.6590

# Harmonies

## Analogous

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



85.3970, 14.3990, -13.1610



82.7090, -4.2150, -17.2310



78.4490, -26.9100, -18.9260

# Triad

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



82.7090, -4.2150, -17.2310



79.8330, -44.8860, -1.5100



89.4280, 31.4500, 13.7380

# Complementary

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



82.7090, -4.2150, -17.2310



70.2910, 4.2150, 17.2310

# 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.



90.3160, 20.2620, 18.2620



82.7090, -4.2150, -17.2310



87.0860, -20.3130, 10.2070

# Square

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



82.7090, -4.2150, -17.2310



70.1630, -63.9110, -14.6550



90.5080, 2.1060, 16.9060



88.2290, 33.1480, 4.9880



# Rectangle

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



82.7090, -4.2150, -17.2310



72.9720, -47.4960, -20.2960



90.5080, 2.1060, 16.9060



89.9270, 28.6070, 15.7030

# Sweetspot

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



82.7090, -4.2150, -17.2310



117.4140, -1.4660, -6.4740



84.9120, 14.6270, -6.2770



58.2940, -1.0080, -3.7600



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



82.7090, -4.2150, -17.2310



102.9440, -6.7350, -26.6310



80.6310, -12.7430, -16.8630



46.6470, -0.5040, -1.8800



74.7140, -12.9200, -52.2160



160.3150, -27.2600, -111.7400



# Inverse Universe

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



70.2910, 4.2150, 17.2310



84.0560, 6.7350, 26.6310



72.3690, 12.7430, 16.8630



45.3530, 0.5040, 1.8800



37.2860, 12.9200, 52.2160

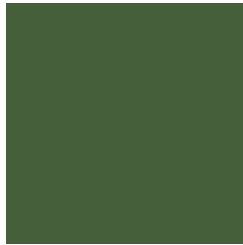


79.6850, 27.2600, 111.7400



# Previews

## White Background



This preview shows how the YIQ color 82.7090, -4.2150, -17.2310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

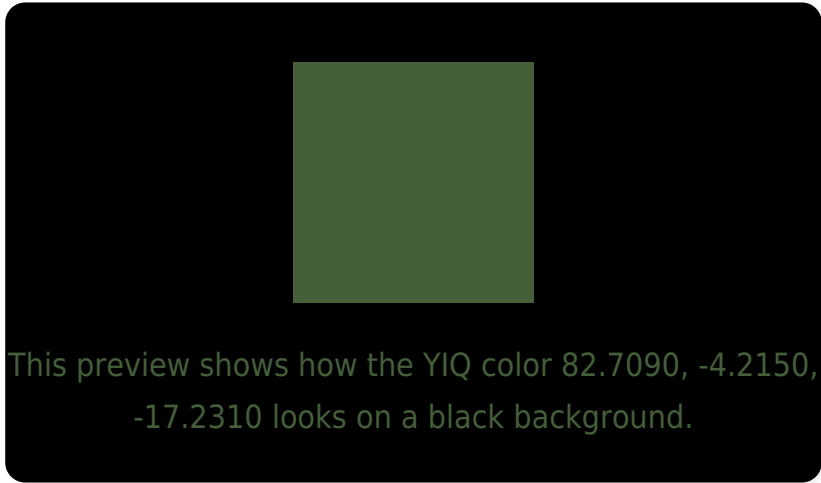
Any Text WCAG AA ✓ Pass

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 82.7090, -4.2150, -17.2310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 82.7090, -4.2150, -17.2310.



This preview shows how white text looks on a background with the YIQ color 82.7090, -4.2150, -17.2310.



# 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

82.7090, -4.2150, -17.2310

### Protanopia

86.3310, 14.7650, -8.7790

### Deuteranopia

87.6570, 19.8990, -2.7010



## Tritanopia

86.0140, -11.7830, -1.2150

# Trichromacy



## Original Color

82.7090, -4.2150, -17.2310

## Protanomaly

85.2160, 7.6590, -12.1570

## Deuteranomaly

86.0040, 11.3720, -7.8600

## Tritanomaly

84.9940, -9.0310, -7.0390

# Monochromacy



## Original Color

82.7090, -4.2150, -17.2310

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

82.8270, -1.1910, -5.9510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.7090, -4.2150, -17.2310 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(68, 95, 58)` looks like.

```
.text, #text, p{  
    color:rgb(68, 95, 58)  
}
```

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(68, 95, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 95, 58) }
```

## Border

The CSS property to change the border of an element to YIQ 82.7090, -4.2150, -17.2310 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(68, 95, 58) }
```



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

```
.border{ border-color:rgb(68, 95, 58) }
```

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

Here you see how a box with a 4 pixel rgb(68, 95, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 95, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 95, 58);  
box-shadow:4px 4px 4px 4px rgb(68, 95, 58)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 82.7090, -4.2150, -17.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 95, 58) }
```

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

```
.background{ background-color: rgb(68, 95,  
58) }
```

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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