

# Converting Colors

YIQ(86.6370, -3.7120, -9.8240)

Have a look what the booklet for  
YIQ(86.6370, -3.7120, -9.8240)  
contains.

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# Color

**YIQ(86.6370, -3.7120,  
-9.8240)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 4D5E4A                    |
| RGB         | 77, 94, 74                |
| RGB Percent | 30%, 37%, 29%             |
| CMY         | 0.6981, 0.6313, 0.7098    |
| CMYK        | 0.18, 0.00, 0.21, 0.63    |
| HSL         | 111°, 12%, 33%            |
| HSV         | 111°, 21%, 37%            |
| XYZ         | 8.2989, 10.0783, 7.9865   |
| YIQ         | 86.6370, -3.7120, -9.8240 |

# Conversions

## Conversions Part 2

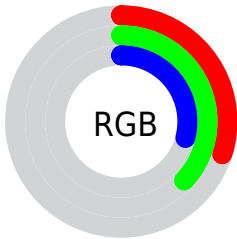
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 74, 94, 91                   |
| Decimal                             | 5070410                      |
| CIELab                              | 37.98, -10.87, 9.35          |
| CIElCh                              | 38, 14.337, 139.277          |
| Yxy                                 | 10.0783, 0.3148,<br>0.3823   |
| Android<br>(android.graphics.Color) | 4283260490<br>(0xFF4D5E4A)   |
| YUV                                 | 86.6370, -6.2300,<br>-8.4516 |
| Hunter-Lab                          | 31.7463, -8.8942,<br>7.3067  |

# Details

The YIQ color **86.6370, -3.7120, -9.8240** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **81.3630, 3.7120, 9.8240**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.2240, -3.9870, -10.3470**, and **41.1640, -3.7580, -8.9900** is the 20% darker color. If you saturate the color by 10%, you get **83.2190, -5.5910, -14.3190**, and if you desaturate by 10%, it is **90.0550, -1.8330, -5.3290**.

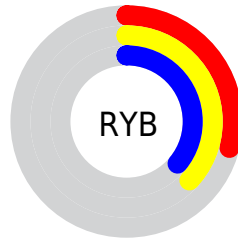
# Distribution



Red (30%)

Green (37%)

Blue (29%)



Red (29%)

Yellow (37%)

Blue (36%)

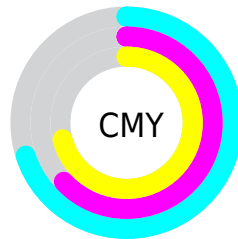


Cyan (18%)

Magenta (0%)

Yellow (21%)

Black (63%)



Cyan (70%)

Magenta (63%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.6370, -3.7120, -9.8240 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 86.6370, -3.7120, -9.8240 by changing the saturation by 10% instead.



86.6370, -3.7120,  
-9.8240

86.6370, -3.7120,  
-9.8240

255.0000, -0.0000,  
-0.0000

63.0500, -3.4370,  
-9.3010

136.2240, -3.9870,  
-10.3470

41.1640, -3.7580,  
-8.9900

162.8110, -4.2620,  
-10.8700

19.8220, -2.7950,  
-9.9230

189.6970, -3.9410,  
-11.1810

0.0000, 0.0000,  
0.0000

217.6970, -3.9410,  
-11.1810

246.2840, -4.2160,  
-11.7040

■ 86.6370, -3.7120,  
-9.8240

■ 86.6370, -3.7120,  
-9.8240

■ 83.2190, -5.5910,  
-14.3190

■ 90.0550, -1.8330,  
-5.3290

■ 79.6870, -7.1490,  
-19.1250

■ 93.5870, -0.2750,  
-0.5230

■ 76.2690, -9.0280,  
-23.6200

■ 97.0050, 1.6040,  
3.9720

■ 72.7370, -10.5860,  
-28.4260

■ 100.5370, 3.1620,  
8.7780

■ 69.3190, -12.4650,  
-32.9210

■ 103.9550, 5.0410,  
13.2730

■ 65.9010, -14.3440,  
-37.4160

■ 107.3730, 6.9200,  
17.7680

■ 62.3690, -15.9020,  
-42.2220

■ 110.9050, 8.4780,  
22.5740

■ 59.3640, -17.5060,

■ 114.3230, 10.3570,

-46.1940

27.0690

■ 117.8550, 11.9150,  
31.8750

# Harmonies

## Analogous

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



87.9650, 7.1080, -7.6760



86.6370, -3.7120, -9.8240



85.4770, -14.9450, -9.9930

# Triad

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



86.6370, -3.7120, -9.8240



87.7020, -19.5320, 1.5560



90.6820, 18.7510, 7.0950

# Complementary

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



86.6370, -3.7120, -9.8240



81.3630, 3.7120, 9.8240

# 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.



91.1530, 13.1110, 10.1910



86.6370, -3.7120, -9.8240



90.0240, -8.5750, 6.7290

# Square

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



86.6370, -3.7120, -9.8240



85.6040, -25.3080, -3.9000



91.1780, 2.7950, 9.9230



90.4060, 19.3480, 1.7800



# Rectangle

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



86.6370, -3.7120, -9.8240



84.5950, -21.0890, -8.7770



91.1780, 2.7950, 9.9230



91.1380, 17.4670, 8.3390

# Sweetspot

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



86.6370, -3.7120, -9.8240



119.4080, -1.3290, -3.4490



89.9590, 7.2450, -4.6510



59.6470, -0.5040, -1.8800



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.



86.6370, -3.7120, -9.8240



110.3930, -6.1410, -15.3650



86.5380, -7.7470, -8.2830



44.2340, -0.7790, -2.4030



69.3540, -20.7140, -54.1380



149.5840, -44.3150, -116.5310



# Inverse Universe

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



81.3630, 3.7120, 9.8240



102.6070, 6.1410, 15.3650



81.4620, 7.7470, 8.2830



42.7660, 0.7790, 2.4030



40.3470, 20.1180, 53.9260

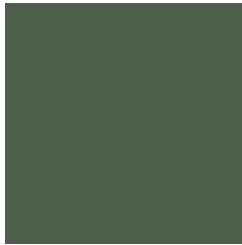


87.4160, 44.3150, 116.5310



# Previews

## White Background



This preview shows how the YIQ color 86.6370, -3.7120, -9.8240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

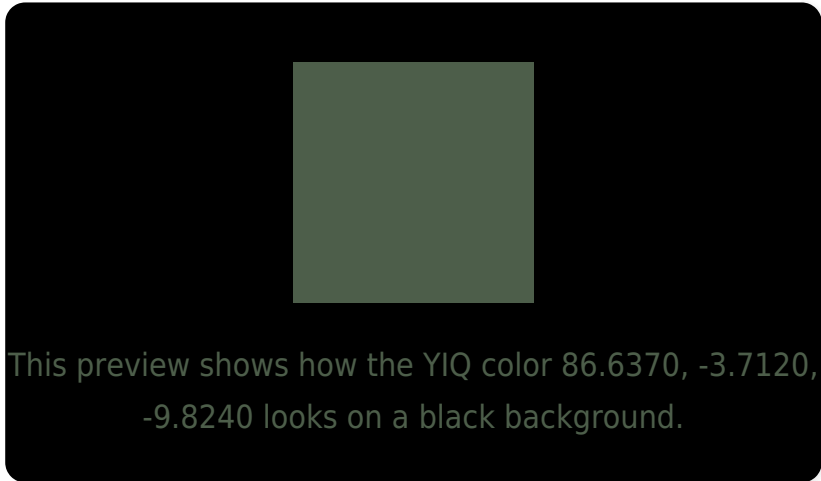
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

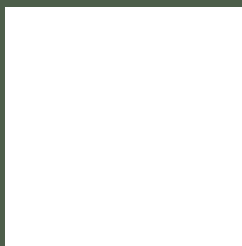
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 86.6370, -3.7120, -9.8240**

## **Background**



This preview shows how black text looks on a background with the YIQ color 86.6370, -3.7120, -9.8240.



This preview shows how white text looks on a background with the YIQ color 86.6370, -3.7120, -9.8240.

-9.8240.

# 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

86.6370, -3.7120, -9.8240

### Protanopia

88.8560, 9.0330, -4.0150

### Deuteranopia

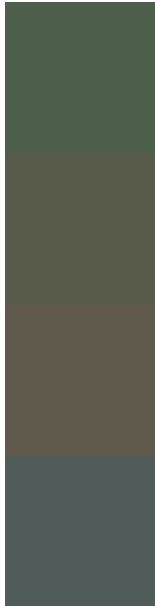
89.9430, 13.3420, 0.4940



## Tritanopia

88.8080, -8.2070, 0.0570

# Trichromacy



## Original Color

86.6370, -3.7120, -9.8240

## Protanomaly

88.0510, 3.9900, -6.2340

## Deuteranomaly

88.8990, 7.4740, -3.2940

## Tritanomaly

88.0700, -6.1890, -3.4770

# Monochromacy



## Original Color

86.6370, -3.7120, -9.8240

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

86.9950, -1.6040, -3.9720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.6370, -3.7120, -9.8240 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(77, 94, 74)` looks like.

```
.text, #text, p{  
    color:rgb(77, 94, 74)  
}
```

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(77, 94, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 94, 74) }
```

## Border

The CSS property to change the border of an element to YIQ 86.6370, -3.7120, -9.8240 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(77, 94, 74) }
```



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

```
.border{ border-color:rgb(77, 94, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 94, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 94, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 94, 74);  
box-shadow:4px 4px 4px 4px rgb(77, 94, 74)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 86.6370, -3.7120, -9.8240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 94, 74) }
```

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

```
.background{ background-color: rgb(77, 94,  
74) }
```

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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