

# Converting Colors

YIQ(64.1240, 10.9140, -10.5740)

Have a look what the booklet for  
YIQ(64.1240, 10.9140, -10.5740)  
contains.

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# Color

**YIQ(64.1240, 10.9140,  
-10.5740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	444422
RGB	68, 68, 34
RGB Percent	27%, 27%, 13%
CMY	0.7334, 0.7333, 0.8666
CMYK	0.00, 0.00, 0.50, 0.73
HSL	60°, 33%, 20%
HSV	60°, 50%, 27%
XYZ	4.7396, 5.4786, 2.3224
YIQ	64.1240, 10.9140, -10.5740

# Conversions

## Conversions Part 2

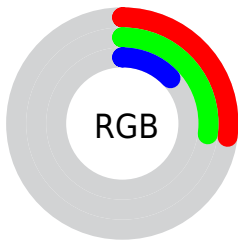
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	34, 68, 34
Decimal	4473890
CIE Lab	28.06, -5.86, 20.49
CIE LCh	28, 21.317, 105.965
Yxy	5.4786, 0.3779, 0.4369
Android (android.graphics.Color)	4282663970 (0xFF444422)
YUV	64.1240, -14.8511, 3.3993
Hunter-Lab	23.4064, -4.8161, 10.5017

# Details

The YIQ color **64.1240, 10.9140, -10.5740** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **37.8760, -10.9140, 10.5740**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **112.0810, 12.4730, -11.2950**, and **21.8510, 7.4290, -7.9870** is the 20% darker color. If you saturate the color by 10%, you get **63.3260, 13.1610, -12.7510**, and if you desaturate by 10%, it is **64.9220, 8.6670, -8.3970**.

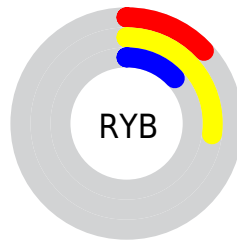
# Distribution



Red (27%)

Green (27%)

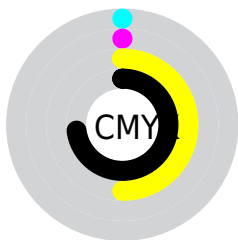
Blue (13%)



Red (13%)

Yellow (27%)

Blue (13%)

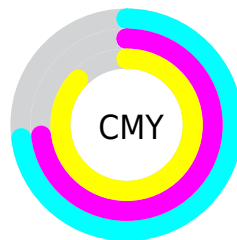


Cyan (0%)

Magenta (0%)

Yellow (50%)

Black (73%)



Cyan (73%)

Magenta (73%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 64.1240, 10.9140, -10.5740 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 64.1240, 10.9140, -10.5740 by changing the saturation by 10% instead.



■ 64.1240, 10.9140,  
-10.5740

■ 64.1240, 10.9140,  
-10.5740

■ 255.0000, -0.0000,  
-0.0000

■ 41.9390, 9.9970,  
-10.4750

■ 112.0810, 12.4730,  
-11.2950

■ 21.8510, 7.4290,  
-7.9870

■ 137.3800, 13.0690,  
-11.0830

■ 0.0000, 0.0000,  
0.0000

■ 164.1520, 13.7110,  
-11.7050

■ 191.0380, 14.0320,  
-12.0160

■ 218.9240, 14.3530,  
-12.3270

■ 247.6960, 14.9950,

-12.9490

■ 253.0620, 5.4570,  
-5.2870

■ 64.1240, 10.9140,  
-10.5740

■ 64.1240, 10.9140,  
-10.5740

■ 63.3260, 13.1610,  
-12.7510

■ 64.9220, 8.6670,  
-8.3970

■ 62.5280, 15.4080,  
-14.9280

■ 65.7200, 6.4200,  
-6.2200

■ 61.8440, 17.3340,  
-16.7940

■ 66.4040, 4.4940,  
-4.3540

■ 61.0460, 19.5810,  
-18.9710

■ 67.2020, 2.2470,  
-2.1770

■ 60.2480, 21.8280,  
-21.1480

■ 68.0000, -0.0000,  
0.0000

■ 68.7980, -2.2470,  
2.1770

■ 69.5960, -4.4940,  
4.3540

■ 70.2800, -6.4200,  
6.2200

■ 71.0780, -8.6670,  
8.3970

# Harmonies

## Analogous

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



65.6740, 21.2290, -4.7790



64.1240, 10.9140, -10.5740



62.1160, -3.8030, -13.6830

# Triad

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



64.1240, 10.9140, -10.5740



52.9970, -48.6440, -10.5000



68.0550, 16.5030, 14.7990

# Complementary

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



64.1240, 10.9140, -10.5740



37.8760, -10.9140, 10.5740

# 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.



68.4000, 2.2900, 13.5700



64.1240, 10.9140, -10.5740



59.7370, -35.8080, -0.8320

# Square

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



64.1240, 10.9140, -10.5740



52.5750, -44.7000, -15.9000



66.0710, -15.9570, 8.3550



67.0250, 25.2150, 11.0950



# Rectangle

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



64.1240, 10.9140, -10.5740



59.8310, -16.1820, -15.1100



66.0710, -15.9570, 8.3550



68.0160, 12.2390, 14.9830

# Sweetspot

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



64.1240, 10.9140, -10.5740



87.5180, 4.1730, -4.0430



44.1660, 20.2640, 7.2080



45.0880, 2.5680, -2.4880



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000



# Same Dimension

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



64.1240, 10.9140, -10.5740



82.9580, 17.0130, -16.4830



59.0410, 0.7820, -14.1780



32.6580, 0.9630, -0.9330



85.9420, 31.1370, -30.1670



198.4640, 71.9040, -69.6640



# Inverse Universe

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



37.8760, -10.9140, 10.5740



42.0420, -17.0130, 16.4830



42.9590, -0.7820, 14.1780



30.3420, -0.9630, 0.9330



11.0580, -31.1370, 30.1670



25.5360, -71.9040, 69.6640



# Previews

## White Background



This preview shows how the YIQ color 64.1240, 10.9140, -10.5740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

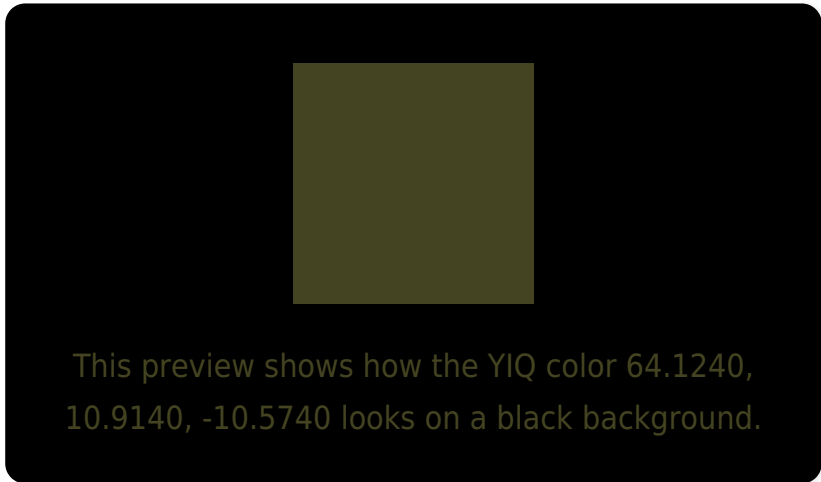
Any Text WCAG AA ✓ Pass

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

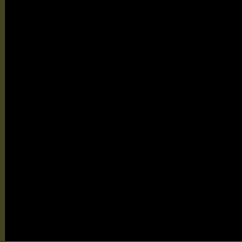
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

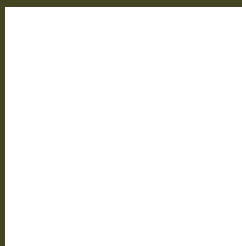
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 64.1240, 10.9140, -10.5740

## Background



This preview shows how black text looks on a background with the YIQ color 64.1240, 10.9140, -10.5740.



This preview shows how white text looks on a background with the YIQ color 64.1240, 10.9140,

-10.5740.

# 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

64.1240, 10.9140, -10.5740

### Protanopia

64.3310, 14.7650, -8.7790

### Deuteranopia

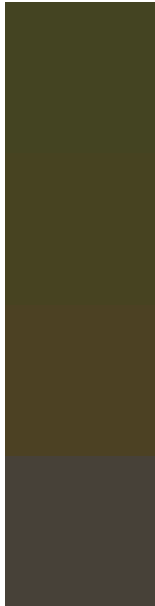
65.1900, 19.7160, -4.8920



## Tritanopia

66.9620, 3.1630, 3.2510

# Trichromacy



## Original Color

64.1240, 10.9140, -10.5740

## Protanomaly

64.3200, 13.2980, -9.7260

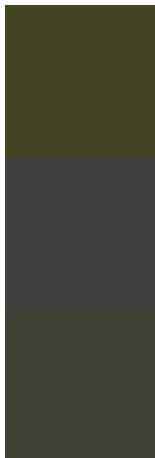
## Deuteranomaly

64.8690, 16.1860, -6.9980

## Tritanomaly

65.7680, 6.4650, -1.5270

# Monochromacy



## Original Color

64.1240, 10.9140, -10.5740

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.6320, 3.8520, -3.7320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 64.1240, 10.9140, -10.5740 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, 68, 34)` looks like.

```
.text, #text, p{  
    color:rgb(68, 68, 34)  
}
```

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, 68, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 68, 34) }
```

## Border

The CSS property to change the border of an element to YIQ 64.1240, 10.9140, -10.5740 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, 68, 34) }
```



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

```
.border{ border-color:rgb(68, 68, 34) }
```

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

Here you see how a box with a 4 pixel rgb(68, 68, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 68, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 68, 34);  
box-shadow:4px 4px 4px 4px rgb(68, 68, 34)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 64.1240, 10.9140, -10.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 68, 34) }
```

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

```
.background{ background-color: rgb(68, 68,  
34) }
```

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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