

# Converting Colors

YIQ(57.1160, 22.5600, -12.3840)

Have a look what the booklet for  
YIQ(57.1160, 22.5600, -12.3840)  
contains.

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# Color

**YIQ(57.1160, 22.5600,  
-12.3840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	473B0B
RGB	71, 59, 11
RGB Percent	28%, 23%, 4%
CMY	0.7216, 0.7686, 0.9567
CMYK	0.00, 0.17, 0.84, 0.72
HSL	48°, 73%, 16%
HSV	48°, 84%, 28%
XYZ	4.2228, 4.4912, 0.9619
YIQ	57.1160, 22.5600, -12.3840

# Conversions

## Conversions Part 2

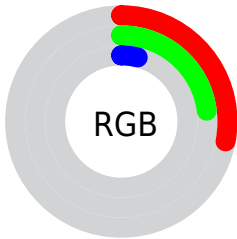
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	26, 71, 11
Decimal	4668171
CIE Lab	25.23, -0.64, 29.75
CIE LCh	25, 29.754, 91.233
Yxy	4.4912, 0.4364, 0.4642
Android (android.graphics.Color)	4282858251 (0xFF473B0B)
YUV	57.1160, -22.7352, 12.1763
Hunter-Lab	21.1925, -1.5191, 12.1436

# Details

The YIQ color **57.1160, 22.5600, -12.3840** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **24.8840, -22.5600, 12.3840**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **105.1980, 25.2650, -11.8470**, and **16.8560, 9.0330, -4.0150** is the 20% darker color. If you saturate the color by 10%, you get **55.7310, 25.0820, -14.0380**, and if you desaturate by 10%, it is **58.5010, 20.0380, -10.7300**.

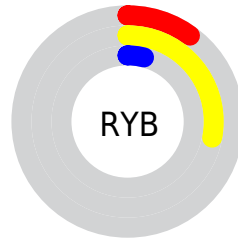
# Distribution



 Red (28%)

 Green (23%)

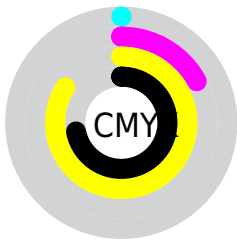
 Blue (4%)



 Red (10%)

 Yellow (28%)

 Blue (4%)

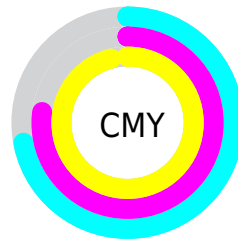


 Cyan (0%)

 Magenta (17%)

 Yellow (84%)

 Black (72%)



 Cyan (72%)

 Magenta (77%)

 Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.1160, 22.5600, -12.3840 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 57.1160, 22.5600, -12.3840 by changing the saturation by 10% instead.



■ 57.1160, 22.5600,  
-12.3840

■ 57.1160, 22.5600,  
-12.3840

■ 253.2900, 4.8150,  
-4.6650

■ 36.0710, 18.4330,  
-9.1750

■ 105.1980, 25.2650,  
-11.8470

■ 16.8560, 9.0330,  
-4.0150

■ 130.2690, 26.5030,  
-12.2570

■ 0.0000, 0.0000,  
0.0000

■ 156.7530, 28.0160,  
-12.1440

■ 183.8240, 29.2540,  
-12.5540

■ 211.1230, 29.8500,  
-12.3420

■ 238.1010, 26.9160,

-14.2360

■ 250.0980, 13.8030,  
-13.3730

■ 57.1160, 22.5600,  
-12.3840

■ 57.1160, 22.5600,  
-12.3840

■ 55.7310, 25.0820,  
-14.0380

■ 58.5010, 20.0380,  
-10.7300

■ 54.6880, 26.6410,  
-14.7590

■ 60.4730, 17.2410,  
-9.5990

■ 61.8580, 14.7190,  
-7.9450

■ 63.8300, 11.9220,  
-6.8140

■ 65.3290, 9.0790,  
-4.8490

■ 67.3010, 6.2820,  
-3.7180

■ 68.6860, 3.7600,  
-2.0640

■ 70.0710, 1.2380,  
-0.4100

■ 72.0430, -1.5590,  
0.7210

# Harmonies

## Analogous

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



58.8280, 32.5990, -1.5850



57.1160, 22.5600, -12.3840



54.6730, 4.6340, -17.9100

# Triad

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



57.1160, 22.5600, -12.3840



50.5520, -45.8930, -10.7970



61.4880, 14.0260, 21.1460

# Complementary

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



57.1160, 22.5600, -12.3840



24.8840, -22.5600, 12.3840

# 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.



60.8210, -9.0810, 15.9030



57.1160, 22.5600, -12.3840



51.2020, -50.4790, -4.7750

# Square

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



57.1160, 22.5600, -12.3840



48.5170, -38.7850, -18.4730



49.5600, -48.3710, 1.0770



59.6330, 29.6150, 19.4630



# Rectangle

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



57.1160, 22.5600, -12.3840



52.0070, -11.0460, -20.0860



49.5600, -48.3710, 1.0770



61.8400, 7.1030, 19.9590

# Sweetspot

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



57.1160, 22.5600, -12.3840



86.4430, 8.7580, -4.5380



30.4220, 31.5870, 16.7630



42.6430, 5.3190, -2.7850



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.



57.1160, 22.5600, -12.3840



70.3590, 34.7570, -18.6750



59.0770, 9.1280, -22.2640



34.9570, 1.5590, -0.7210



76.5610, 37.0040, -20.8520



174.7070, 85.2420, -47.0620



# Inverse Universe

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



24.8840, -22.5600, 12.3840



21.0540, -34.4820, 19.1980



22.9230, -9.1280, 22.2640



33.0430, -1.5590, 0.7210



23.0260, -37.2790, 20.3290

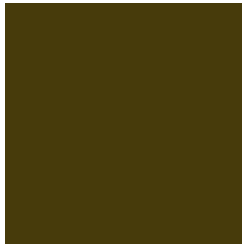


52.2930, -85.2420, 47.0620



# Previews

## White Background



This preview shows how the YIQ color 57.1160, 22.5600, -12.3840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

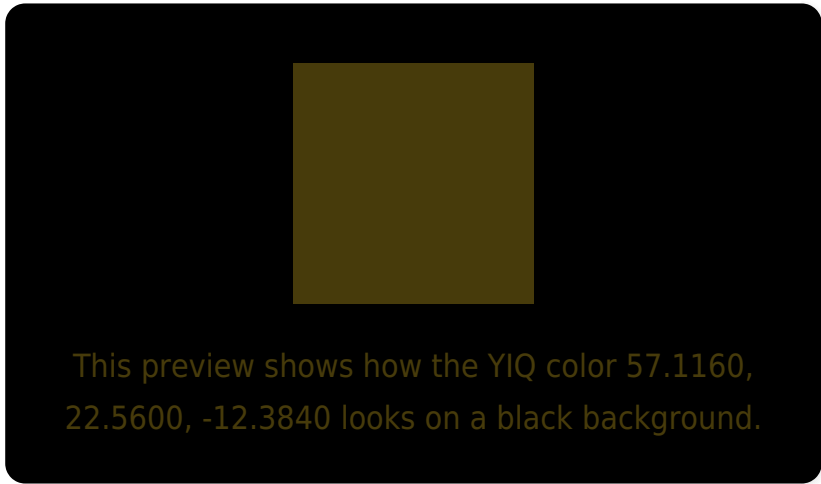
Any Text WCAG AA ✓ Pass

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

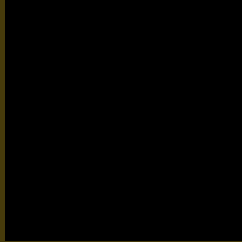
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 57.1160, 22.5600, -12.3840

## Background



This preview shows how black text looks on a background with the YIQ color 57.1160, 22.5600, -12.3840.



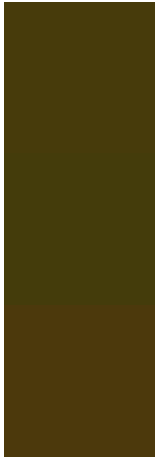
This preview shows how white text looks on a background with the YIQ color 57.1160, 22.5600, -12.3840.

-12.3840.

# 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

57.1160, 22.5600, -12.3840

### Protanopia

56.8060, 20.4970, -13.5430

### Deuteranopia

57.5510, 25.7690, -9.9670



## Tritanopia

61.1370, 10.0400, 5.2720

# Trichromacy



## Original Color

57.1160, 22.5600, -12.3840

## Protanomaly

57.1050, 21.0930, -13.3310

## Deuteranomaly

57.5400, 24.3020, -10.9140

## Tritanomaly

59.4870, 14.6260, -0.7500

# Monochromacy



## Original Color

57.1160, 22.5600, -12.3840

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.1440, 8.1620, -4.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.1160, 22.5600, -12.3840 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(71, 59, 11)` looks like.

```
.text, #text, p{  
    color:rgb(71, 59, 11)  
}
```

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(71, 59, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 59, 11) }
```

## Border

The CSS property to change the border of an element to YIQ 57.1160, 22.5600, -12.3840 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(71, 59, 11) }
```



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

```
.border{ border-color:rgb(71, 59, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 59, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 59, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 59, 11);  
box-shadow:4px 4px 4px 4px rgb(71, 59, 11)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 57.1160, 22.5600, -12.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 59, 11) }
```

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

```
.background{ background-color: rgb(71, 59,  
11) }
```

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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