

# Converting Colors

YIQ(63.1520, 13.7110, -11.7050)

Have a look what the booklet for  
YIQ(63.1520, 13.7110, -11.7050)  
contains.

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# Color

**YIQ(63.1520, 13.7110,  
-11.7050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45431C
RGB	69, 67, 28
RGB Percent	27%, 26%, 11%
CMY	0.7294, 0.7373, 0.8901
CMYK	0.00, 0.03, 0.59, 0.73
HSL	57°, 42%, 19%
HSV	57°, 59%, 27%
XYZ	4.6708, 5.3632, 1.8890
YIQ	63.1520, 13.7110, -11.7050

# Conversions

## Conversions Part 2

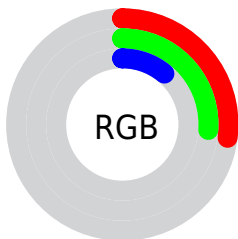
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 69, 28
Decimal	4539164
CIELab	27.75, -5.42, 23.65
CIELCh	28, 24.260, 102.897
Yxy	5.3632, 0.3918, 0.4498
Android (android.graphics.Color)	4282729244 (0xFF45431C)
YUV	63.1520, -17.3299, 5.1287
Hunter-Lab	23.1585, -4.5257, 11.3748

# Details

The YIQ color **63.1520, 13.7110, -11.7050** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **33.8480, -13.7110, 11.7050**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.4080, 15.8660, -12.2140**, and **21.8510, 7.4290, -7.9870** is the 20% darker color. If you saturate the color by 10%, you get **62.3540, 15.9580, -13.8820**, and if you desaturate by 10%, it is **63.9500, 11.4640, -9.5280**.

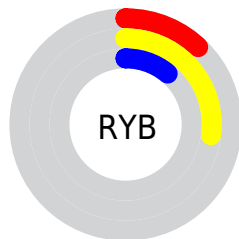
# Distribution



Red (27%)

Green (26%)

Blue (11%)



Red (12%)

Yellow (27%)

Blue (11%)

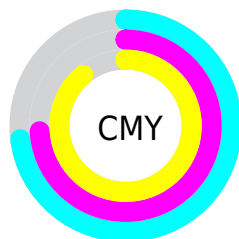


Cyan (0%)

Magenta (3%)

Yellow (59%)

Black (73%)



Cyan (73%)

Magenta (74%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 63.1520, 13.7110, -11.7050 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 63.1520, 13.7110, -11.7050 by changing the saturation by 10% instead.



63.1520, 13.7110,  
-11.7050

63.1520, 13.7110,  
-11.7050

255.0000, -0.0000,  
-0.0000

40.6250, 13.7570,  
-12.5390

111.4080, 15.8660,  
-12.2140

21.8510, 7.4290,  
-7.9870

136.5930, 16.7830,  
-12.3130

0.0000, 0.0000,  
0.0000

163.0660, 16.8290,  
-13.1470

190.2510, 17.7460,  
-13.2460

218.1370, 18.0670,  
-13.5570

246.1370, 18.0670,

-13.5570

252.2640, 7.7040,  
-7.4640

63.1520, 13.7110,  
-11.7050

63.1520, 13.7110,  
-11.7050

62.3540, 15.9580,  
-13.8820

63.9500, 11.4640,  
-9.5280

60.9690, 18.4800,  
-15.5360

65.3350, 8.9420,  
-7.8740

60.1710, 20.7270,  
-17.7130

66.1330, 6.6950,  
-5.6970

59.3730, 22.9740,  
-19.8900

66.9310, 4.4480,  
-3.5200

68.3160, 1.9260,  
-1.8660

■ 69.0000, -0.0000,  
-0.0000

■ 69.7980, -2.2470,  
2.1770

■ 71.1830, -4.7690,  
3.8310

■ 71.9810, -7.0160,  
6.0080

# Harmonies

## Analogous

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



64.9410, 24.8510, -4.3410



63.1520, 13.7110, -11.7050



60.8340, -3.0690, -15.9730

# Triad

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



63.1520, 13.7110, -11.7050



53.6980, -49.2400, -10.7120



67.7070, 17.6030, 16.8910

# Complementary

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



63.1520, 13.7110, -11.7050



33.8480, -13.7110, 11.7050

# 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.



67.6710, 0.0890, 14.9130



63.1520, 13.7110, -11.7050



52.6040, -51.6710, -5.1990

# Square

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



63.1520, 13.7110, -11.7050



52.3470, -44.0580, -16.5220



64.7330, -20.8170, 8.3270



66.1610, 27.8280, 13.3000



# Rectangle

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



63.1520, 13.7110, -11.7050



58.4780, -16.6860, -16.9900



64.7330, -20.8170, 8.3270



67.4830, 12.4220, 17.1740

# Sweetspot

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



63.1520, 13.7110, -11.7050



86.5890, 5.4110, -4.4530



40.4870, 23.7940, 9.3140



44.2730, 3.4850, -2.5870



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.



63.1520, 13.7110, -11.7050



80.0570, 21.0480, -18.0240



58.9440, 2.4330, -16.5670



35.5440, 1.2840, -1.2440



85.3660, 32.8790, -28.6970



194.6650, 75.8920, -64.8440



# Inverse Universe

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



33.8480, -13.7110, 11.7050



34.9430, -21.0480, 18.0240



38.0560, -2.4330, 16.5670



32.4560, -1.2840, 1.2440



14.2210, -33.1540, 28.1740



32.3350, -75.8920, 64.8440



# Previews

## White Background



This preview shows how the YIQ color 63.1520, 13.7110, -11.7050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

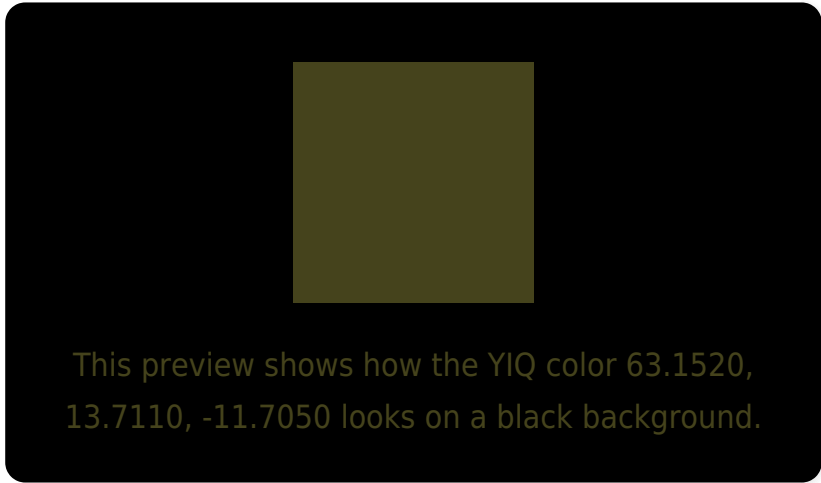
Any Text WCAG AA ✓ Pass

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

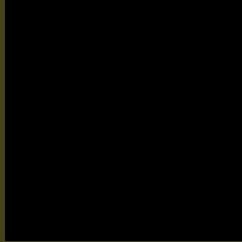
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 63.1520, 13.7110, -11.7050

## Background



This preview shows how black text looks on a background with the YIQ color 63.1520, 13.7110, -11.7050.



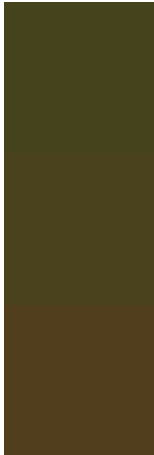
This preview shows how white text looks on a background with the YIQ color 63.1520, 13.7110,

-11.7050.

# 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

63.1520, 13.7110, -11.7050

### Protanopia

63.7610, 16.3700, -10.3340

### Deuteranopia

63.9190, 21.9170, -6.2350



## Tritanopia

66.5600, 4.3550, 3.6750

# Trichromacy



## Original Color

63.1520, 13.7110, -11.7050

## Protanomaly

63.4620, 15.7740, -10.5460

## Deuteranomaly

63.8970, 18.9830, -8.1290

## Tritanomaly

65.1380, 8.2990, -1.7250

# Monochromacy



## Original Color

63.1520, 13.7110, -11.7050

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

62.7030, 5.0900, -4.1420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.1520, 13.7110, -11.7050 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(69, 67, 28)` looks like.

```
.text, #text, p{  
    color:rgb(69, 67, 28)  
}
```

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(69, 67, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 67, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 63.1520, 13.7110, -11.7050 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(69, 67, 28) }
```



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

```
.border{ border-color:rgb(69, 67, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 67, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 67, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 67, 28);  
box-shadow:4px 4px 4px 4px rgb(69, 67, 28)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 63.1520, 13.7110, -11.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 67, 28) }
```

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

```
.background{ background-color: rgb(69, 67,  
28) }
```

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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