

# Converting Colors

YIQ(67.5550, 1.6100, -29.1900)

Have a look what the booklet for  
YIQ(67.5550, 1.6100, -29.1900)  
contains.

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# Color

**YIQ(67.5550, 1.6100,  
-29.1900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	335610
RGB	51, 86, 16
RGB Percent	20%, 34%, 6%
CMY	0.8001, 0.6627, 0.9372
CMYK	0.41, 0.00, 0.81, 0.66
HSL	90°, 69%, 20%
HSV	90°, 81%, 34%
XYZ	4.7862, 7.3983, 1.6666
YIQ	67.5550, 1.6100, -29.1900

# Conversions

## Conversions Part 2

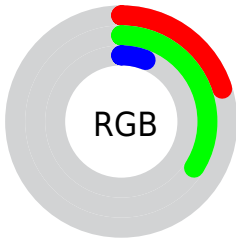
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 86, 51
Decimal	3364368
CIE <sub>Lab</sub>	32.70, -25.26, 34.30
CIE <sub>LCh</sub>	33, 42.602, 126.371
Y <sub>xy</sub>	7.3983, 0.3455, 0.5341
Android (android.graphics.Color)	4281554448 (0xFF335610)
YUV	67.5550, -25.4166, -14.5187
Hunter-Lab	27.1999, -16.1901, 15.4071

# Details

The YIQ color **67.5550, 1.6100, -29.1900** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34.4450, -1.6100, 29.1900**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **117.3270, 2.2520, -29.8120**, and **23.4800, -11.0000, -20.9200** is the 20% darker color. If you saturate the color by 10%, you get **65.3330, 2.1150, -32.8370**, and if you desaturate by 10%, it is **69.7770, 1.1050, -25.5430**.

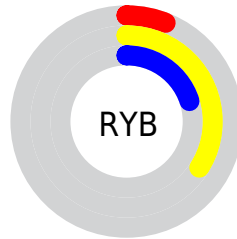
# Distribution



Red (20%)

Green (34%)

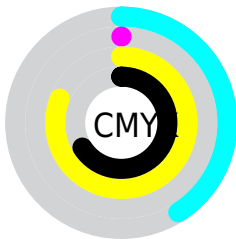
Blue (6%)



Red (6%)

Yellow (34%)

Blue (20%)

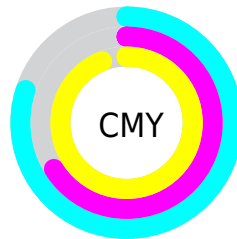


Cyan (41%)

Magenta (0%)

Yellow (81%)

Black (66%)



Cyan (80%)

Magenta (66%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 67.5550, 1.6100, -29.1900 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 67.5550, 1.6100, -29.1900 by changing the saturation by 10% instead.



67.5550, 1.6100,  
-29.1900

67.5550, 1.6100,  
-29.1900

254.5440, 1.2840,  
-1.2440

44.4670, -0.9580,  
-26.7020

117.3270, 2.2520,  
-29.8120

23.4800, -11.0000,  
-20.9200

143.2130, 2.5730,  
-30.1230

9.9790, -4.6750,  
-8.8910

170.5720, 2.9400,  
-31.2680

0.0000, 0.0000,  
0.0000

198.0450, 2.9860,  
-32.1020

225.9310, 3.3070,  
-32.4130

242.9630, 9.4490,

-22.5750

■ 251.2380, 10.5930,  
-10.2630

■ 67.5550, 1.6100,  
-29.1900

■ 67.5550, 1.6100,  
-29.1900

■ 65.3330, 2.1150,  
-32.8370

■ 69.7770, 1.1050,  
-25.5430

■ 63.3390, 1.9780,  
-35.8620

■ 72.1840, 1.5170,  
-21.9950

■ 74.4060, 1.0120,  
-18.3480

■ 76.5140, 0.8280,  
-15.0120

■ 79.0350, 0.9190,  
-11.1530

■ 81.2570, 0.4140,  
-7.5060

■ 83.3650, 0.2300,  
-4.1700

■ 85.5870, -0.2750,  
-0.5230

■ 87.9940, 0.1370,  
3.0250

# Harmonies

## Analogous

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



71.7990, 30.4020, -22.3500



67.5550, 1.6100, -29.1900



58.8890, -40.4330, -32.6650

# Triad

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



67.5550, 1.6100, -29.1900



67.3880, -68.4980, -3.1060



73.4120, 46.7150, 28.9470

# Complementary

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



67.5550, 1.6100, -29.1900



34.4450, -1.6100, 29.1900

# 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.



77.3960, 26.4490, 32.7930



67.5550, 1.6100, -29.1900



62.7890, -67.9490, 3.4670

# Square

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



67.5550, 1.6100, -29.1900



67.2280, -62.5360, -12.0400



79.1020, -8.0740, 25.1900



73.8510, 52.1280, 13.4400



# Rectangle

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



67.5550, 1.6100, -29.1900



62.2120, -48.4120, -25.7240



79.1020, -8.0740, 25.1900



74.6550, 41.7170, 31.4210

# Sweetspot

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



67.5550, 1.6100, -29.1900



105.0350, 0.9190, -11.1530



57.4750, 32.0950, -3.4650



51.7840, 0.3680, -6.6720



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



67.5550, 1.6100, -29.1900



83.0150, 2.5300, -45.8700



57.0900, -19.2500, -36.6100



41.9460, 0.0920, -1.6680



78.6560, 2.1630, -44.7250



172.9280, 5.1070, -98.1010



# Inverse Universe

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



34.4450, -1.6100, 29.1900



30.9850, -2.5300, 45.8700



44.9100, 19.2500, 36.6100



40.0540, -0.0920, 1.6680



28.3440, -2.1630, 44.7250



61.7730, -5.7030, 97.8890



# Previews

## White Background



This preview shows how the YIQ color 67.5550, 1.6100, -29.1900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

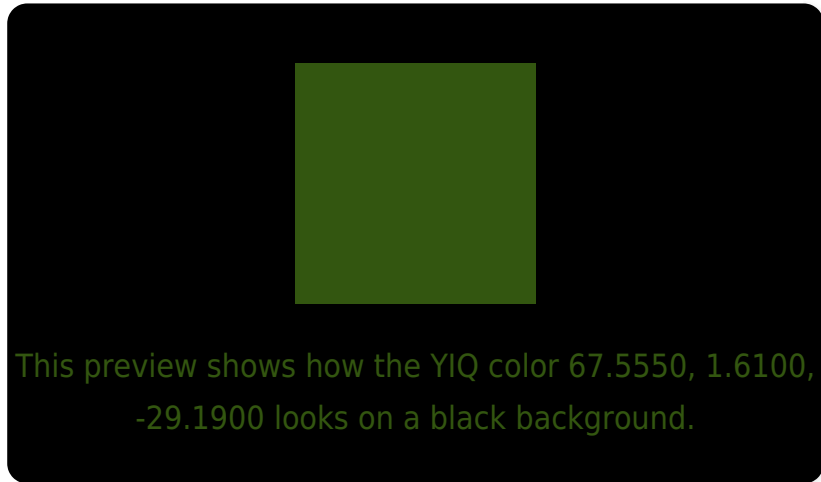
Any Text WCAG AA ✓ Pass

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 67.5550, 1.6100, -29.1900

## Background



This preview shows how black text looks on a background with the YIQ color 67.5550, 1.6100, -29.1900.



This preview shows how white text looks on a background with the YIQ color 67.5550, 1.6100,

-29.1900.

# 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

67.5550, 1.6100, -29.1900

### Protanopia

72.5090, 25.5870, -17.6850

### Deuteranopia

74.1770, 29.7580, -10.6740



## Tritanopia

75.0030, -13.2500, -2.1620

# Trichromacy



## Original Color

67.5550, 1.6100, -29.1900

## Protanomaly

70.4970, 16.6930, -21.6990

## Deuteranomaly

71.9860, 19.8100, -17.6140

## Tritanomaly

72.1310, -8.1590, -11.8310

# Monochromacy



## Original Color

67.5550, 1.6100, -29.1900

## Achromatopsia

68.0000, -0.0000, 0.0000

## Achromatomaly

68.1490, 0.5980, -10.8420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 67.5550, 1.6100, -29.1900 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(51, 86, 16)` looks like.

```
.text, #text, p{  
    color:rgb(51, 86, 16)  
}
```

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(51, 86, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 86, 16) }
```

## Border

The CSS property to change the border of an element to YIQ 67.5550, 1.6100, -29.1900 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(51, 86, 16) }
```



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

```
.border{ border-color:rgb(51, 86, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 86, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 86, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 86, 16);  
box-shadow:4px 4px 4px 4px rgb(51, 86, 16)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 67.5550, 1.6100, -29.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 86, 16) }
```

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

```
.background{ background-color: rgb(51, 86,  
16) }
```

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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