

# Converting Colors

YIQ(69.8070, 18.7560, -20.5400)

Have a look what the booklet for  
YIQ(69.8070, 18.7560, -20.5400)  
contains.

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# Color

**YIQ(69.8070, 18.7560,  
-20.5400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B4E0E
RGB	75, 78, 14
RGB Percent	29%, 31%, 5%
CMY	0.7059, 0.6941, 0.9450
CMYK	0.04, 0.00, 0.82, 0.69
HSL	63°, 70%, 18%
HSV	63°, 82%, 31%
XYZ	5.7047, 6.9761, 1.4624
YIQ	69.8070, 18.7560, -20.5400

# Conversions

## Conversions Part 2

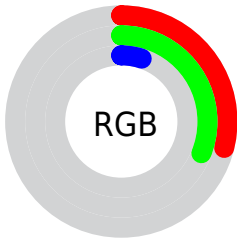
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 78, 17
Decimal	4935182
CIE Lab	31.75, -10.07, 34.79
CIE LCh	32, 36.217, 106.135
Yxy	6.9761, 0.4033, 0.4932
Android (android.graphics.Color)	4283125262 (0xFF4B4E0E)
YUV	69.8070, -27.5129, 4.5543
Hunter-Lab	26.4123, -7.6682, 15.2057

# Details

The YIQ color **69.8070, 18.7560, -20.5400** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22.1930, -18.7560, 20.5400**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.2910, 20.2690, -20.4270**, and **28.3300, 7.3380, -11.8460** is the 20% darker color. If you saturate the color by 10%, you get **68.8950, 21.3240, -23.0280**, and if you desaturate by 10%, it is **70.7190, 16.1880, -18.0520**.

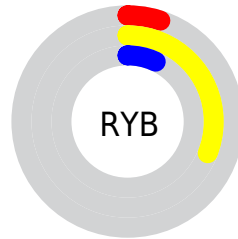
# Distribution



Red (29%)

Green (31%)

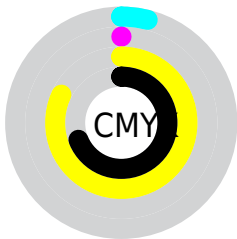
Blue (5%)



Red (5%)

Yellow (31%)

Blue (7%)

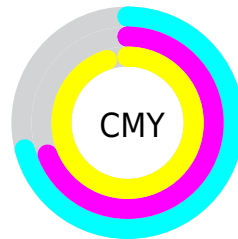


Cyan (4%)

Magenta (0%)

Yellow (82%)

Black (69%)



Cyan (71%)

Magenta (69%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.8070, 18.7560, -20.5400 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 69.8070, 18.7560, -20.5400 by changing the saturation by 10% instead.



69.8070, 18.7560,  
-20.5400

69.8070, 18.7560,  
-20.5400

254.2020, 2.2470,  
-2.1770

47.8330, 15.8670,  
-17.7410

119.2910, 20.2690,  
-20.4270

28.3300, 7.3380,  
-11.8460

145.3620, 21.5070,  
-20.8370

7.0440, -3.3000,  
-6.2760

171.5470, 22.4240,  
-20.9360

0.0000, 0.0000,  
0.0000

199.3190, 23.0660,  
-21.5580

227.5040, 23.9830,  
-21.6570

247.7040, 20.5440,

-19.9040

■ 251.0100, 11.2350,  
-10.8850

■ 69.8070, 18.7560,  
-20.5400

■ 69.8070, 18.7560,  
-20.5400

■ 68.8950, 21.3240,  
-23.0280

■ 70.7190, 16.1880,  
-18.0520

■ 67.9120, 22.6540,  
-25.1060

■ 71.9300, 14.2160,  
-15.3520

■ 72.7280, 11.9690,  
-13.1750

■ 73.6400, 9.4010,  
-10.6870

■ 74.8510, 7.4290,  
-7.9870

■ 75.7630, 4.8610,  
-5.4990

■ 76.9740, 2.8890,  
-2.7990

■ 77.7720, 0.6420,  
-0.6220

■ 78.6840, -1.9260,  
1.8660

# Harmonies

## Analogous

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



72.5260, 36.0850, -9.6990



69.8070, 18.7560, -20.5400



65.6280, -8.6610, -24.7650

# Triad

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



69.8070, 18.7560, -20.5400



64.1790, -60.8400, -9.7360



75.3760, 29.2010, 26.9690

# Complementary

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



69.8070, 18.7560, -20.5400



22.1930, -18.7560, 20.5400

# 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.



77.5070, 3.8470, 23.9030



69.8070, 18.7560, -20.5400



62.9540, -64.2800, -2.4560

# Square

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



69.8070, 18.7560, -20.5400



61.9160, -53.0900, -18.0340



72.5070, -31.6840, 12.5400



73.6900, 42.6360, 20.2680



# Rectangle

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



69.8070, 18.7560, -20.5400



56.8830, -40.2960, -29.6400



72.5070, -31.6840, 12.5400



76.3690, 21.9110, 26.9270

# Sweetspot

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



69.8070, 18.7560, -20.5400



98.8510, 7.4290, -7.9870



34.3100, 37.5940, 12.5220



48.9910, 4.2190, -4.8770



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



69.8070, 18.7560, -20.5400



89.1050, 29.1200, -32.1600



60.5380, 0.2800, -27.1120



37.5440, 1.2840, -1.2440



88.8770, 29.7620, -32.7820



200.4910, 67.2740, -73.8620



# Inverse Universe

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



22.1930, -18.7560, 20.5400



14.8950, -29.1200, 32.1600



31.4620, -0.2800, 27.1120



34.7550, -0.6880, 1.4560



13.1230, -29.7620, 32.7820



29.5090, -67.2740, 73.8620



# Previews

## White Background



This preview shows how the YIQ color 69.8070, 18.7560, -20.5400 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

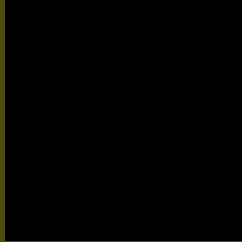
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 69.8070, 18.7560, -20.5400

## Background



This preview shows how black text looks on a background with the YIQ color 69.8070, 18.7560, -20.5400.



This preview shows how white text looks on a background with the YIQ color 69.8070, 18.7560,



# 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

69.8070, 18.7560, -20.5400

### Protanopia

70.6230, 25.2660, -17.3740

### Deuteranopia

71.8350, 30.7210, -11.6070



## Tritanopia

75.6630, 2.5670, 3.0390

# Trichromacy



## Original Color

69.8070, 18.7560, -20.5400

## Protanomaly

70.3130, 23.2030, -18.5330

## Deuteranomaly

71.3890, 26.0450, -14.9710

## Tritanomaly

73.6170, 8.2080, -5.5840

# Monochromacy



## Original Color

69.8070, 18.7560, -20.5400

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.0790, 6.7870, -7.3650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.8070, 18.7560, -20.5400 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(75, 78, 14)` looks like.

```
.text, #text, p{  
    color:rgb(75, 78, 14)  
}
```

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(75, 78, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 78, 14) }
```

## Border

The CSS property to change the border of an element to YIQ 69.8070, 18.7560, -20.5400 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(75, 78, 14) }
```



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

```
.border{ border-color:rgb(75, 78, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 78, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 78, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 78, 14);  
box-shadow:4px 4px 4px 4px rgb(75, 78, 14)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 69.8070, 18.7560, -20.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 78, 14) }
```

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

```
.background{ background-color: rgb(75, 78,  
14) }
```

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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