

# Converting Colors

YIQ(69.6920, 2.4820, -33.9820)

Have a look what the booklet for  
YIQ(69.6920, 2.4820, -33.9820)  
contains.

<b>YIQ(69.6920, 2.4820, -33.9820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(69.6920, 2.4820,  
-33.9820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	335B09
RGB	51, 91, 9
RGB Percent	20%, 36%, 4%
CMY	0.8001, 0.6431, 0.9646
CMYK	0.44, 0.00, 0.90, 0.64
HSL	89°, 82%, 20%
HSV	89°, 90%, 36%
XYZ	5.1553, 8.2076, 1.5715
YIQ	69.6920, 2.4820, -33.9820

# Conversions

## Conversions Part 2

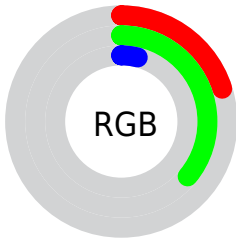
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	9, 91, 49
Decimal	3365641
CIE Lab	34.41, -28.02, 38.22
CIE LCh	34, 47.395, 126.249
Yxy	8.2076, 0.3452, 0.5496
Android (android.graphics.Color)	4281555721 (0xFF335B09)
YUV	69.6920, -29.9212, -16.3929
Hunter-Lab	28.6489, -18.0152, 16.8020

# Details

The YIQ color **69.6920, 2.4820, -33.9820** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **30.3080, -2.4820, 33.9820**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.8060, 2.1610, -33.6710**, and **26.4150, -12.3750, -23.5350** is the 20% darker color. If you saturate the color by 10%, you get **67.4700, 2.9870, -37.6290**, and if you desaturate by 10%, it is **71.9140, 1.9770, -30.3350**.

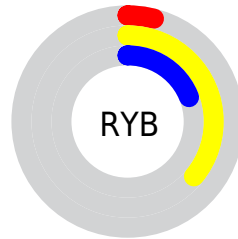
# Distribution



Red (20%)

Green (36%)

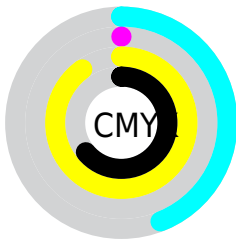
Blue (4%)



Red (4%)

Yellow (36%)

Blue (19%)

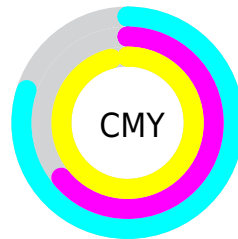


Cyan (44%)

Magenta (0%)

Yellow (90%)

Black (64%)



Cyan (80%)

Magenta (64%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.6920, 2.4820, -33.9820 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 69.6920, 2.4820, -33.9820 by changing the saturation by 10% instead.



69.6920, 2.4820,  
-33.9820

69.6920, 2.4820,  
-33.9820

254.2020, 2.2470,  
-2.1770

47.1030, -2.9290,  
-29.5290

120.8060, 2.1610,  
-33.6710

26.4150, -12.3750,  
-23.5350

146.5780, 2.8030,  
-34.2930

14.0880, -6.6000,  
-12.5520

173.4640, 3.1240,  
-34.6040

0.0000, 0.0000,  
0.0000

201.5240, 2.8950,  
-35.9610

229.7090, 3.8120,  
-36.0600

243.2190, 11.6040,

-23.0840

■ 250.8960, 11.5560,  
-11.1960

■ 69.6920, 2.4820,  
-33.9820

■ 69.6920, 2.4820,  
-33.9820

■ 67.4700, 2.9870,  
-37.6290

■ 71.9140, 1.9770,  
-30.3350

■ 74.4350, 2.0680,  
-26.4760

■ 76.6570, 1.5630,  
-22.8290

■ 79.1780, 1.6540,  
-18.9700

■ 81.5140, 0.8280,  
-15.0120

■ 84.0350, 0.9190,  
-11.1530

■ 86.2570, 0.4140,  
-7.5060

■ 88.7780, 0.5050,  
-3.6470

■ 91.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



75.3430, 31.6860, -23.5940



69.6920, 2.4820, -33.9820



61.9380, -42.1290, -34.9690

# Triad

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



69.6920, 2.4820, -33.9820



71.6910, -73.7250, -1.9890



75.9830, 52.5370, 33.5690

# Complementary

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



69.6920, 2.4820, -33.9820



30.3080, -2.4820, 33.9820

# 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.



80.9990, 29.2450, 37.1890



69.6920, 2.4820, -33.9820



66.5050, -72.9010, 5.1070

# Square

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



69.6920, 2.4820, -33.9820



71.1890, -66.8000, -11.8560



82.7260, -9.7710, 28.4130



76.1400, 58.6840, 15.7720



# Rectangle

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



69.6920, 2.4820, -33.9820



66.0760, -51.0250, -27.9290



82.7260, -9.7710, 28.4130



76.4540, 46.8970, 36.6650

# Sweetspot

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



69.6920, 2.4820, -33.9820



108.9810, 1.0110, -12.8210



56.9980, 37.8720, -3.5360



53.8440, 0.1390, -8.0290



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



69.6920, 2.4820, -33.9820



86.6190, 3.5850, -48.4710



57.4330, -21.9540, -42.6740



44.8320, 0.4130, -1.9790



81.3140, 3.1260, -45.6580



175.2980, 6.9410, -98.2990



# Inverse Universe

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



30.3080, -2.4820, 33.9820



30.3810, -3.5850, 48.4710



42.5670, 21.9540, 42.6740



42.4670, 0.1830, 2.1910



28.6860, -3.1260, 45.6580

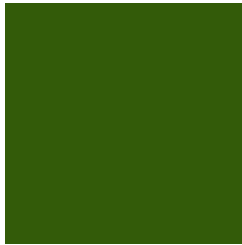


61.7020, -6.9410, 98.2990



# Previews

## White Background



This preview shows how the YIQ color 69.6920, 2.4820, -33.9820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

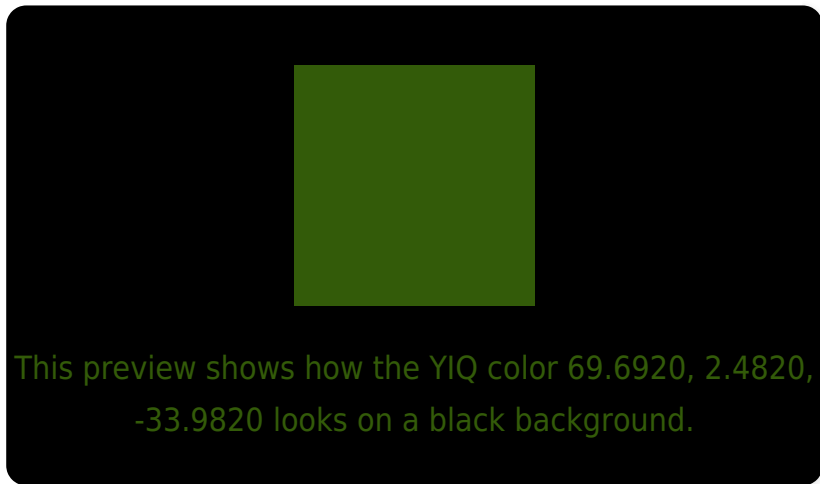
Any Text WCAG AA ✓ Pass

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

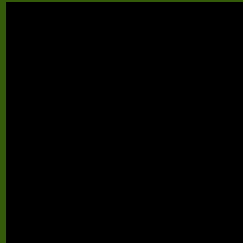
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 69.6920, 2.4820, -33.9820**

## **Background**



This preview shows how black text looks on a background with the YIQ color 69.6920, 2.4820, -33.9820.



This preview shows how white text looks on a background with the YIQ color 69.6920, 2.4820,



# 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

69.6920, 2.4820, -33.9820

### Protanopia

75.2120, 30.6770, -21.8270

### Deuteranopia

77.9770, 33.1970, -12.4270



## Tritanopia

78.8070, -15.6340, -3.0100

# Trichromacy



## Original Color

69.6920, 2.4820, -33.9820

## Protanomaly

73.3030, 19.9950, -26.4770

## Deuteranomaly

74.7750, 21.7820, -20.3140

## Tritanomaly

75.3650, -8.9380, -14.2340

# Monochromacy



## Original Color

69.6920, 2.4820, -33.9820

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.0950, 0.6900, -12.5100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.6920, 2.4820, -33.9820 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, 91, 9)` looks like.

```
.text, #text, p{  
    color:rgb(51, 91, 9)  
}
```

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, 91, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 91, 9) }
```

## Border

The CSS property to change the border of an element to YIQ 69.6920, 2.4820, -33.9820 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, 91, 9) }
```



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

```
.border{ border-color:rgb(51, 91, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 91, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 91, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 91, 9); box-shadow:4px  
4px 4px 4px rgb(51, 91, 9) }
```

# Background

The CSS property to change the background color of an element to YIQ 69.6920, 2.4820, -33.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 91, 9) }
```

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

```
.background{ background-color: rgb(51, 91,  
9) }
```

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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