

# Converting Colors

YIQ(56.3670, -3.2520, -18.1640)

Have a look what the booklet for  
YIQ(56.3670, -3.2520, -18.1640)  
contains.

|  |    |
|--|----|
| <b>YIQ(56.3670, -3.2520, -18.1640)</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(56.3670, -3.2520,  
-18.1640)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 2A451D                     |
| RGB         | 42, 69, 29                 |
| RGB Percent | 16%, 27%, 11%              |
| CMY         | 0.8354, 0.7294, 0.8863     |
| CMYK        | 0.39, 0.00, 0.58, 0.73     |
| HSL         | 101°, 41%, 19%             |
| HSV         | 101°, 58%, 27%             |
| XYZ         | 3.3046, 4.8381, 1.9224     |
| YIQ         | 56.3670, -3.2520, -18.1640 |

# Conversions

## Conversions Part 2

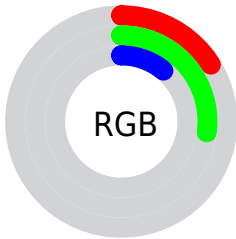
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 29, 69, 56                     |
| Decimal                             | 2770205                        |
| CIE <sub>Lab</sub>                  | 26.27, -19.00, 20.80           |
| CIE <sub>LCh</sub>                  | 26, 28.171, 132.415            |
| Yxy                                 | 4.8381, 0.3283,<br>0.4807      |
| Android<br>(android.graphics.Color) | 4280960285<br>(0xFF2A451D)     |
| YUV                                 | 56.3670, -13.4919,<br>-12.5999 |
| Hunter-Lab                          | 21.9957, -11.6753,<br>10.2152  |

# Details

The YIQ color **56.3670, -3.2520, -18.1640** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **41.6330, 3.2520, 18.1640**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.7260, -2.8850, -19.3090**, and **15.8490, -7.4250, -14.1210** is the 20% darker color. If you saturate the color by 10%, you get **54.0740, -3.9850, -21.4010**, and if you desaturate by 10%, it is **58.6600, -2.5190, -14.9270**.

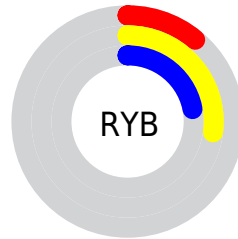
# Distribution



Red (16%)

Green (27%)

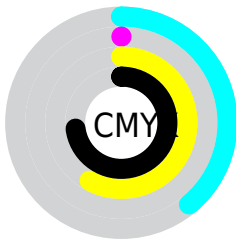
Blue (11%)



Red (11%)

Yellow (27%)

Blue (22%)

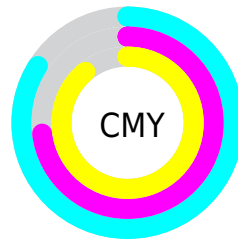


Cyan (39%)

Magenta (0%)

Yellow (58%)

Black (73%)



Cyan (84%)

Magenta (73%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.3670, -3.2520, -18.1640 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 56.3670, -3.2520, -18.1640 by changing the saturation by 10% instead.



■ 56.3670, -3.2520,  
-18.1640

■ 56.3670, -3.2520,  
-18.1640

■ 255.0000, -0.0000,  
-0.0000

■ 33.6660, -2.6560,  
-17.9520

■ 104.3130, -3.1600,  
-19.8320

■ 15.8490, -7.4250,  
-14.1210

■ 129.1990, -2.8390,  
-20.1430

■ 0.0000, 0.0000,  
0.0000

■ 155.6720, -2.7930,  
-20.9770

■ 182.5580, -2.4720,  
-21.2880

■ 210.1450, -2.7470,  
-21.8110

■ 238.6180, -2.7010,

-22.6450

251.1820, 4.9990,  
-8.0010

56.3670, -3.2520,  
-18.1640

56.3670, -3.2520,  
-18.1640

54.0740, -3.9850,  
-21.4010

58.6600, -2.5190,  
-14.9270

52.0800, -4.1220,  
-24.4260

60.6540, -2.3820,  
-11.9020

49.7870, -4.8550,  
-27.6630

62.9470, -1.6490,  
-8.6650

47.4940, -5.5880,  
-30.9000

65.2400, -0.9160,  
-5.4280

47.0810, -5.8630,  
-31.4230

67.2340, -0.7790,  
-2.4030

■ 69.4130, 0.2750,  
0.5230

■ 71.7060, 1.0080,  
3.7600

■ 73.7000, 1.1450,  
6.7850

■ 75.9930, 1.8780,  
10.0220

# Harmonies

## Analogous

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



59.3540, 15.9580, -13.8820



56.3670, -3.2520, -18.1640



47.7360, -35.2080, -22.7280

# Triad

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



56.3670, -3.2520, -18.1640



51.6580, -51.7630, -3.5310



61.8950, 31.6330, 15.9290

# Complementary

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



56.3670, -3.2520, -18.1640



41.6330, 3.2520, 18.1640

# 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.



63.4840, 19.8490, 20.2410



56.3670, -3.2520, -18.1640



59.6230, -26.3190, 8.9210

# Square

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



56.3670, -3.2520, -18.1640



52.6380, -49.0110, -9.3550



64.2520, -0.0490, 17.4150



61.3540, 34.2940, 6.2460



# Rectangle

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



56.3670, -3.2520, -18.1640



50.0330, -40.2980, -18.5860



64.2520, -0.0490, 17.4150



62.3940, 28.7900, 17.8940

# Sweetspot

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



56.3670, -3.2520, -18.1640



84.3000, -1.1450, -6.7850



56.8090, 16.4150, -5.6410



43.1800, -0.6870, -4.0710



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.



56.3670, -3.2520, -18.1640



69.3740, -5.1300, -28.1860



53.2780, -13.2470, -18.7430



34.6470, -0.5040, -1.8800



67.6810, -8.1530, -44.9930



155.3750, -18.3210, -103.0330



# Inverse Universe

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



41.6330, 3.2520, 18.1640



46.6260, 5.1300, 28.1860



44.7220, 13.2470, 18.7430



33.3530, 0.5040, 1.8800



31.3190, 8.1530, 44.9930

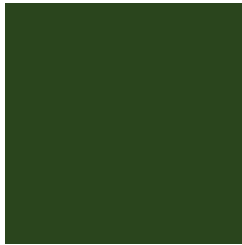


71.6250, 18.3210, 103.0330



# Previews

## White Background



This preview shows how the YIQ color 56.3670, -3.2520, -18.1640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

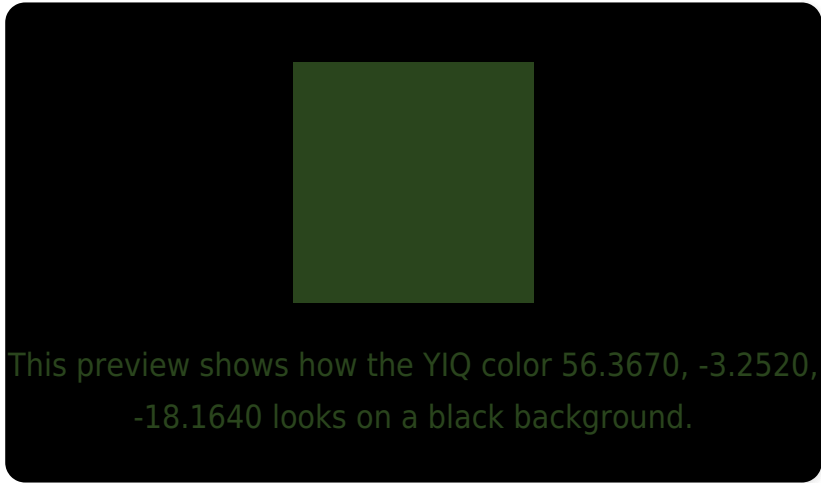
Any Text WCAG AA ✓ Pass

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

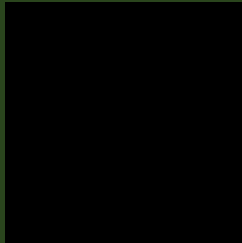
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

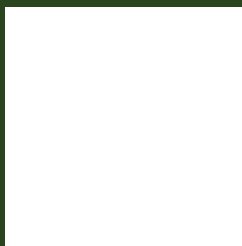
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 56.3670, -3.2520, -18.1640**

## **Background**



This preview shows how black text looks on a background with the YIQ color 56.3670, -3.2520, -18.1640.



This preview shows how white text looks on a background with the YIQ color 56.3670, -3.2520,

-18.1640.

# 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

56.3670, -3.2520, -18.1640

### Protanopia

60.1030, 15.4070, -9.4010

### Deuteranopia

61.0050, 18.7990, -4.7930



**Tritanopia**

60.7860, -11.1410, -1.8370

# Trichromacy



## Original Color

56.3670, -3.2520, -18.1640

## Protanomaly

58.9880, 8.3010, -12.7790

## Deuteranomaly

59.6510, 10.8680, -9.7400

## Tritanomaly

58.7660, -8.3890, -7.6610

# Monochromacy



## Original Color

56.3670, -3.2520, -18.1640

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

56.3000, -1.1450, -6.7850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.3670, -3.2520, -18.1640 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(42, 69, 29)` looks like.

```
.text, #text, p{  
    color:rgb(42, 69, 29)  
}
```

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(42, 69, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 69, 29) }
```

## Border

The CSS property to change the border of an element to YIQ 56.3670, -3.2520, -18.1640 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(42, 69, 29) }
```



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

```
.border{ border-color:rgb(42, 69, 29) }
```

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

Here you see how a box with a 4 pixel rgb(42, 69, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 69, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 69, 29);  
box-shadow:4px 4px 4px 4px rgb(42, 69, 29)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 56.3670, -3.2520, -18.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 69, 29) }
```

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

```
.background{ background-color: rgb(42, 69,  
29) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor