

# Converting Colors

YIQ(76.0120, -9.4420, -16.1140)

Have a look what the booklet for  
YIQ(76.0120, -9.4420, -16.1140)  
contains.

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# Color

**YIQ(76.0120, -9.4420,  
-16.1140)**

# Conversions

Conversions Part 1	
Format	Color
Hex	39593B
RGB	57, 89, 59
RGB Percent	22%, 35%, 23%
CMY	0.7766, 0.6509, 0.7686
CMYK	0.36, 0.00, 0.34, 0.65
HSL	124°, 22%, 29%
HSV	124°, 36%, 35%
XYZ	6.0488, 8.3319, 5.4266
YIQ	76.0120, -9.4420, -16.1140

# Conversions

## Conversions Part 2

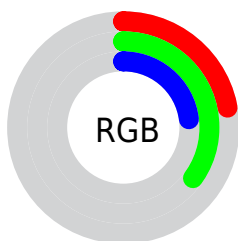
Format	Color
<a href="#">RYB</a>	<a href="#">57, 87, 89</a>
Decimal	<a href="#">3758395</a>
CIELab	<a href="#">34.66, -18.76, 13.75</a>
CIELCh	<a href="#">35, 23.259, 143.755</a>
Yxy	<a href="#">8.3319, 0.3054, 0.4206</a>
Android (android.graphics.Color)	<a href="#">4281948475</a> (0xFF39593B)
YUV	<a href="#">76.0120, -8.3869, -16.6735</a>
Hunter-Lab	<a href="#">28.8650, -13.1082, 9.0590</a>

# Details

The YIQ color **76.0120, -9.4420, -16.1140** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **69.9880, 9.4420, 16.1140**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.0720, -9.6710, -17.4710**, and **30.6530, -9.8090, -14.9690** is the 20% darker color. If you saturate the color by 10%, you get **72.4090, -12.2380, -20.5100**, and if you desaturate by 10%, it is **79.6150, -6.6460, -11.7180**.

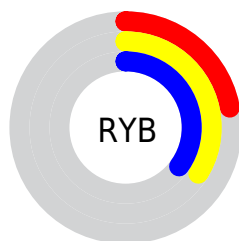
# Distribution



Red (22%)

Green (35%)

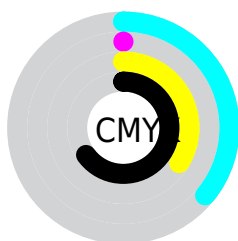
Blue (23%)



Red (22%)

Yellow (34%)

Blue (35%)

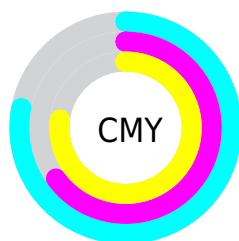


Cyan (36%)

Magenta (0%)

Yellow (34%)

Black (65%)



Cyan (78%)

Magenta (65%)


Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.0120, -9.4420, -16.1140 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 76.0120, -9.4420, -16.1140 by changing the saturation by 10% instead.




 76.0120, -9.4420,  
-16.1140

 76.0120, -9.4420,  
-16.1140


255.0000, -0.0000,  
-0.0000


 52.5390, -9.4880,  
-15.2800


 125.0720, -9.6710,  
-17.4710


 30.6530, -9.8090,  
-14.9690


 151.6590, -9.9460,  
-17.9940

 14.0880, -6.6000,  
-12.5520

 178.2460,  
-10.2210, -18.5170

 0.0000, 0.0000,  
0.0000

 205.8330,  
-10.4960, -19.0400

 233.8330,  
-10.4960, -19.0400

 249.2180, -3.8500,

-7.3220

■ 76.0120, -9.4420,  
-16.1140

■ 76.0120, -9.4420,  
-16.1140

■ 72.4090, -12.2380,  
-20.5100

■ 79.6150, -6.6460,  
-11.7180

■ 68.6920, -14.7130,  
-25.2170

■ 83.3320, -4.1710,  
-7.0110

■ 65.0890, -17.5090,  
-29.6130

■ 86.9350, -1.3750,  
-2.6150

■ 61.4860, -20.3050,  
-34.0090

■ 90.5380, 1.4210,  
1.7810

■ 57.7690, -22.7800,  
-38.7160

■ 93.9560, 3.3000,  
6.2760

■ 54.4650, -24.9800,  
-42.9000

■ 97.5590, 6.0960,  
10.6720

■ 52.9270, -26.4010,  
-44.6810

■ 101.1620, 8.8920,  
15.0680

■ 104.8790, 11.3670,  
19.7750

■ 108.4820, 14.1630,  
24.1710

# Harmonies

## Analogous

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



78.8740, 8.6220, -13.0900



76.0120, -9.4420, -16.1140



71.4640, -31.2660, -17.0740

# Triad

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



76.0120, -9.4420, -16.1140



77.4000, -33.2410, 2.2070



82.6510, 29.2040, 10.3880

# Complementary

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



76.0120, -9.4420, -16.1140



69.9880, 9.4420, 16.1140

# 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.



83.2190, 21.9130, 15.8730



76.0120, -9.4420, -16.1140



82.2180, -11.8770, 11.5070

# Square

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



76.0120, -9.4420, -16.1140



66.9900, -55.9340, -10.5420



83.7320, 7.2870, 16.6230



81.9680, 29.3890, 1.5250



# Rectangle

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



76.0120, -9.4420, -16.1140



66.0690, -49.1470, -17.9070



83.7320, 7.2870, 16.6230



83.0470, 28.1490, 12.9890

# Sweetspot

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



76.0120, -9.4420, -16.1140



109.7450, -3.8960, -6.4880



84.7540, 9.0800, -10.3760



55.8100, -2.5210, -3.8730



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.



76.0120, -9.4420, -16.1140



94.8060, -15.0340, -24.9060



77.8360, -14.5780, -11.1380



41.3480, -1.1000, -2.0920



63.6070, -31.6720, -53.7840



139.6550, -69.4400, -118.2400



# Inverse Universe

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



69.9880, 9.4420, 16.1140



85.3080, 14.7130, 25.2170



68.1640, 14.5780, 11.1380



40.6520, 1.1000, 2.0920



43.3930, 31.6720, 53.7840

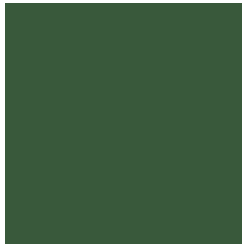


95.3450, 69.4400, 118.2400



# Previews

## White Background



This preview shows how the YIQ color 76.0120, -9.4420, -16.1140 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



This preview shows how the YIQ color 76.0120, -9.4420, -16.1140 looks on a 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 76.0120, -9.4420, -16.1140**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.0120, -9.4420, -16.1140.



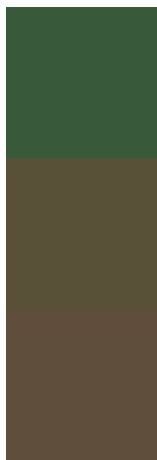
This preview shows how white text looks on a background with the YIQ color 76.0120, -9.4420,



# 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

76.0120, -9.4420, -16.1140

### Protanopia

80.2430, 12.1970, -6.2910

### Deuteranopia

81.4440, 16.1850, -1.4710



## Tritanopia

79.2200, -15.3590, -2.4870

# Trichromacy



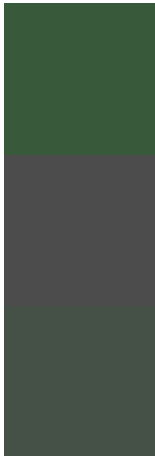
**Original Color**  
76.0120, -9.4420, -16.1140

**Protanomaly**  
78.8290, 4.4950, -9.8810

**Deuteranomaly**  
79.4920, 7.0620, -6.8420

**Tritanomaly**  
77.8410, -12.9740, -7.1660

# Monochromacy



**Original Color**  
76.0120, -9.4420, -16.1140

**Achromatopsia**  
76.0000, -0.0000, -0.0000

**Achromatomaly**  
76.1580, -3.6210, -5.9650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.0120, -9.4420, -16.1140 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(57, 89, 59)` looks like.

```
.text, #text, p{  
    color:rgb(57, 89, 59)  
}
```

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(57, 89, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 89, 59) }
```

## Border

The CSS property to change the border of an element to YIQ 76.0120, -9.4420, -16.1140 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(57, 89, 59) }
```



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

```
.border{ border-color:rgb(57, 89, 59) }
```

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

Here you see how a box with a 4 pixel rgb(57, 89, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 89, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 89, 59);  
box-shadow:4px 4px 4px 4px rgb(57, 89, 59)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 76.0120, -9.4420, -16.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 89, 59) }
```

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

```
.background{ background-color: rgb(57, 89,  
59) }
```

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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