

# Converting Colors

YIQ(123.4860, 49.6160,  
-40.1760)

Have a look what the booklet for  
YIQ(123.4860, 49.6160, -40.1760)  
contains.

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# Color

**YIQ(123.4860, 49.6160,  
-40.1760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	928800
RGB	146, 136, 0
RGB Percent	57%, 53%, 0%
CMY	0.4275, 0.4667, 0.9997
CMYK	0.00, 0.07, 1.00, 0.43
HSL	56°, 100%, 29%
HSV	56°, 100%, 57%
XYZ	20.6552, 23.7168, 3.4914
YIQ	123.4860, 49.6160, -40.1760

# Conversions

## Conversions Part 2

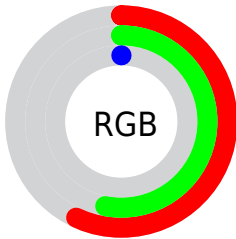
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	11, 146, 0
Decimal	9603072
CIE Lab	55.80, -8.89, 60.26
CIE LCh	56, 60.911, 98.390
Yxy	23.7168, 0.4315, 0.4955
Android (android.graphics.Color)	4287793152 (0xFF928800)
YUV	123.4860, -60.8786, 19.7448
Hunter-Lab	48.6999, -9.5170, 29.8393

# Details

The YIQ color **123.4860, 49.6160, -40.1760** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **22.5140, -49.6160, 40.1760**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **179.5060, 46.8640, -34.3520**, and **78.2780, 30.3110, -26.2090** is the 20% darker color. If you saturate the color by 10%, you get **123.4860, 49.6160, -40.1760**, and if you desaturate by 10%, it is **125.7830, 44.5260, -36.0340**.

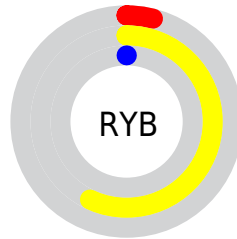
# Distribution



Red (57%)

Green (53%)

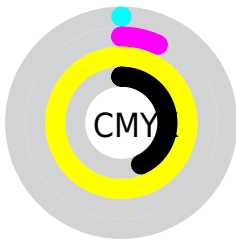
Blue (0%)



Red (4%)

Yellow (57%)

Blue (0%)

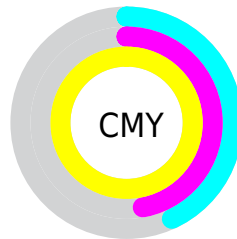


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (47%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.4860, 49.6160, -40.1760 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 123.4860, 49.6160, -40.1760 by changing the saturation by 10% instead.



■ 123.4860, 49.6160,  
-40.1760

■ 123.4860, 49.6160,  
-40.1760

■ 255.0000, -0.0000,  
-0.0000

■ 100.4390, 39.8030,  
-33.0370

■ 179.5060, 46.8640,  
-34.3520

■ 78.2780, 30.3110,  
-26.2090

■ 207.9900, 48.3770,  
-34.2390

■ 56.7040, 20.5440,  
-19.9040

■ 234.0820, 45.1220,  
-35.8220

■ 36.3150, 11.6940,  
-13.6980

■ 243.0300, 33.7050,  
-32.6550

■ 15.6050, -0.6860,  
-9.5980

■ 246.2220, 24.7170,  
-23.9470

■ 0.0000, 0.0000,  
0.0000

■ 249.4140, 15.7290,

-15.2390

■ 252.7200, 6.4200,  
-6.2200

■ 123.4860, 49.6160,  
-40.1760

■ 125.7830, 44.5260,  
-36.0340

■ 127.9660, 39.7570,  
-32.2030

■ 130.2630, 34.6670,  
-28.0610

■ 132.4460, 29.8980,  
-24.2300

■ 134.7430, 24.8080,  
-20.0880

■ 137.0400, 19.7180,  
-15.9460

■ 139.2230, 14.9490,  
-12.1150

■ 141.5200, 9.8590,  
-7.9730

■ 143.7030, 5.0900,  
-4.1420

# Harmonies

## Analogous

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



128.5670, 72.3980, -12.5140



123.4860, 49.6160, -40.1760



118.8620, -1.4130, -45.9970

# Triad

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



123.4860, 49.6160, -40.1760



114.7310, -106.7330, -20.5330



134.2710, 43.6390, 51.6630

# Complementary

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



123.4860, 49.6160, -40.1760



22.5140, -49.6160, 40.1760

# 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.



137.1150, -8.9480, 41.0360



123.4860, 49.6160, -40.1760



114.4980, -115.7220, -6.2980

# Square

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



123.4860, 49.6160, -40.1760



109.6180, -90.9580, -36.6060



112.7700, -101.3280, 8.1760



128.9260, 75.0470, 44.1270



# Rectangle

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



123.4860, 49.6160, -40.1760



102.8350, -58.6770, -54.4610



112.7700, -101.3280, 8.1760



136.6050, 27.9590, 49.4870

# Sweetspot

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



123.4860, 49.6160, -40.1760



180.1540, 19.3970, -15.6350



45.0220, 83.1640, 34.6840



88.9500, 11.4640, -9.5280



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



123.4860, 49.6160, -40.1760



159.8230, 64.2440, -51.9800



111.1170, 10.5100, -58.3380



72.6150, 2.5220, -1.6540



116.3980, 47.0480, -37.6880



8.8600, 3.2100, -3.1100



# Inverse Universe

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



22.5140, -49.6160, 40.1760



29.1770, -64.2440, 51.9800



34.8830, -10.5100, 58.3380



67.7980, -2.2470, 2.1770



21.0150, -46.7730, 38.2110

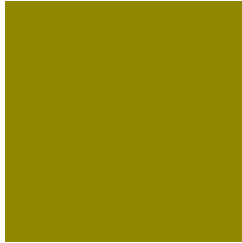


1.7270, -3.4850, 2.5870



# Previews

## White Background



This preview shows how the YIQ color 123.4860, 49.6160, -40.1760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 123.4860, 49.6160, -40.1760 looks on a black 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 × Fail

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

# YIQ 123.4860, 49.6160, -40.1760

## Background



This preview shows how black text looks on a background with the YIQ color 123.4860, 49.6160, -40.1760.



This preview shows how white text looks on a background with the YIQ color 123.4860, 49.6160,

-40.1760.

# 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

123.4860, 49.6160, -40.1760

### Protanopia

123.8070, 53.1460, -38.0700

### Deuteranopia

127.2460, 59.7000, -24.6840



## Tritanopia

135.5120, 13.4780, 9.0460

# Trichromacy



## Original Color

123.4860, 49.6160, -40.1760

## Protanomaly

123.7960, 51.6790, -39.0170

## Deuteranomaly

125.8170, 56.3540, -30.1260

## Tritanomaly

131.3770, 26.3190, -8.9210

# Monochromacy



## Original Color

123.4860, 49.6160, -40.1760

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.1970, 17.8380, -14.9140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.4860, 49.6160, -40.1760 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(146, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 136, 0)  
}
```

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(146, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 136, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 123.4860, 49.6160, -40.1760 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(146, 136, 0) }
```



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

```
.border{ border-color:rgb(146, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 136,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.4860, 49.6160, -40.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 136, 0) }
```

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

```
.background{ background-color: rgb(146,  
136, 0) }
```

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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