

# Converting Colors

YIQ(57.6690, -58.3230, 16.2450)

Have a look what the booklet for  
YIQ(57.6690, -58.3230, 16.2450)  
contains.

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# Color

**YIQ(57.6690, -58.3230,  
16.2450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C3F96
RGB	12, 63, 150
RGB Percent	5%, 25%, 59%
CMY	0.9529, 0.7529, 0.4121
CMYK	0.92, 0.58, 0.00, 0.41
HSL	218°, 85%, 32%
HSV	218°, 92%, 59%
XYZ	7.4290, 5.8350, 29.5567
YIQ	57.6690, -58.3230, 16.2450

# Conversions

## Conversions Part 2

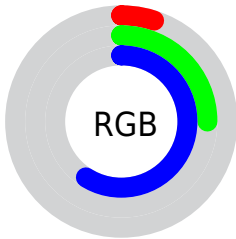
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 49, 150
Decimal	802710
CIE <sub>Lab</sub>	28.99, 19.85, -51.92
CIE <sub>LCh</sub>	29, 55.589, 290.919
Yxy	5.8350, 0.1735, 0.1363
Android (android.graphics.Color)	4278992790 (0xFF0C3F96)
YUV	57.6690, 45.5192, -40.0517
Hunter-Lab	24.1558, 12.6241, -55.6375

# Details

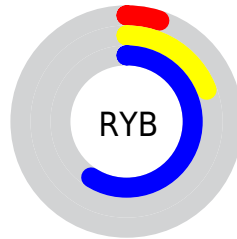
The YIQ color **57.6690, -58.3230, 16.2450** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **104.3310, 58.3230, -16.2450**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **113.9530, -44.2030, 24.6690**, and **24.6730, -37.7830, 18.4490** is the 20% darker color. If you saturate the color by 10%, you get **49.3850, -63.2750, 17.8850**, and if you desaturate by 10%, it is **67.4370, -51.8580, 14.7180**.

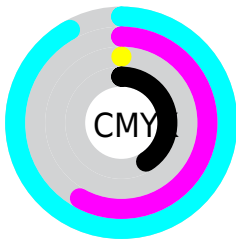
# Distribution



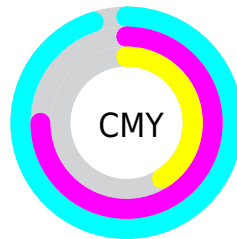
- Red (5%)
- Green (25%)
- Blue (59%)



- Red (5%)
- Yellow (19%)
- Blue (59%)



- Cyan (92%)
- Magenta (58%)
- Yellow (0%)
- Black (41%)



- Cyan (95%)
- Magenta (75%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.6690, -58.3230, 16.2450 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 57.6690, -58.3230, 16.2450 by changing the saturation by 10% instead.



■ 57.6690, -58.3230,  
16.2450

■ 57.6690, -58.3230,  
16.2450

■ 255.0000, -0.0000,  
-0.0000

■ 38.7900, -51.3540,  
16.5980

■ 113.9530,  
-44.2030, 24.6690

■ 24.6730, -37.7830,  
18.4490

■ 140.4910,  
-42.7820, 26.4500

■ 8.4360, -23.7540,  
23.0140

■ 166.9320,  
-39.7100, 25.8420

■ 8.0480, -17.1500,  
13.4580

■ 191.4520,  
-29.8510, 17.8690

■ 4.3660, -9.5380,  
7.6620

■ 216.5590,  
-20.2670, 9.3730

■ 0.0000, 0.0000,  
0.0000

■ 241.9650,

-10.0870, 1.0890

■ 57.6690, -58.3230,  
16.2450

■ 57.6690, -58.3230,  
16.2450

■ 49.3850, -63.2750,  
17.8850

■ 67.4370, -51.8580,  
14.7180

■ 77.7920, -45.6680,  
12.6680

■ 87.5600, -39.2030,  
11.1410

■ 97.9150, -33.0130,  
9.0910

■ 107.6830,  
-26.5480, 7.5640

■ 118.0380,  
-20.3580, 5.5140

■ 127.8060,  
-13.8930, 3.9870

■ 138.1610, -7.7030,  
1.9370

■ 147.9290, -1.2380,  
0.4100

# Harmonies

## Analogous

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



63.3420, -70.8840, 7.1000



57.6690, -58.3230, 16.2450



67.7230, 12.6470, 40.6390

# Triad

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



57.6690, -58.3230, 16.2450



60.8550, 63.5000, 5.5800



55.9370, -40.3880, -27.9720

# Complementary

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



57.6690, -58.3230, 16.2450



104.3310, 58.3230, -16.2450

# 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.



48.3620, -23.1920, -42.2640



57.6690, -58.3230, 16.2450



64.7990, 39.5700, -12.2860

# Square

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



57.6690, -58.3230, 16.2450



48.2950, 69.4540, 40.8620



61.0680, 13.3470, -27.1410



61.6540, -55.1080, -14.5000



# Rectangle

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



57.6690, -58.3230, 16.2450



57.2600, 42.1720, 50.7160



61.0680, 13.3470, -27.1410



54.2270, -35.5730, -32.6370

# Sweetspot

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



57.6690, -58.3230, 16.2450



157.8960, -22.8340, 6.3340



102.6960, -65.2350, -45.7390



74.8060, -13.8930, 3.9870



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



57.6690, -58.3230, 16.2450



64.3800, -82.0740, 22.6780



32.5160, -34.7620, 46.3100



68.9720, -2.7970, 1.1310



45.6690, -58.3230, 16.2450



3.4880, -4.3100, 1.0180



# Inverse Universe

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



59.0760, 65.8770, 45.1170



66.2140, 92.5120, 63.5200



129.4840, 34.7620, -46.3100



69.3210, 3.5300, 2.1060



47.0760, 65.8770, 45.1170



3.4460, 4.6760, 3.3640



# Previews

## White Background



This preview shows how the YIQ color 57.6690, -58.3230, 16.2450 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 57.6690, -58.3230, 16.2450 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 57.6690, -58.3230, 16.2450

## Background



This preview shows how black text looks on a background with the YIQ color 57.6690, -58.3230, 16.2450.



This preview shows how white text looks on a background with the YIQ color 57.6690, -58.3230,



# 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

57.6690, -58.3230, 16.2450

### Deuteranopia

54.7700, -57.7700, 0.7100

### Tritanopia

53.8460, -46.9010, -14.5570

# Trichromacy



## Original Color

57.6690, -58.3230, 16.2450

## Deuteranomaly

55.4590, -58.0920, 6.5480

## Tritanomaly

54.9570, -51.1670, -3.3190

# Monochromacy



## Original Color

57.6690, -58.3230, 16.2450

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

57.8530, -21.2750, 5.6130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.6690, -58.3230, 16.2450 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(12, 63, 150)` looks like.

```
.text, #text, p{  
    color:rgb(12, 63, 150)  
}
```

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(12, 63, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 63, 150) }
```

## Border

The CSS property to change the border of an element to YIQ 57.6690, -58.3230, 16.2450 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(12, 63, 150) }
```

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

```
.border{ border-color:rgb(12, 63, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 63, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 63, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 63, 150);  
box-shadow:4px 4px 4px 4px rgb(12, 63,  
150) }
```



# Background

The CSS property to change the background color of an element to YIQ 57.6690, -58.3230, 16.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 63, 150) }
```

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

```
.background{ background-color: rgb(12, 63,  
150) }
```

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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