

# Converting Colors

YIQ(58.8020, 36.6290, 24.5090)

Have a look what the booklet for  
YIQ(58.8020, 36.6290, 24.5090)  
contains.

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# Color

**YIQ(58.8020, 36.6290,  
24.5090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D213C
RGB	109, 33, 60
RGB Percent	43%, 13%, 24%
CMY	0.5724, 0.8707, 0.7646
CMYK	0.00, 0.70, 0.45, 0.57
HSL	339°, 54%, 28%
HSV	339°, 70%, 43%
XYZ	7.6723, 4.6669, 4.7758
YIQ	58.8020, 36.6290, 24.5090

# Conversions

## Conversions Part 2

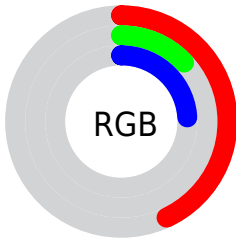
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 33, 60
Decimal	7151932
CIE Lab	25.76, 36.07, 1.47
CIE LCh	26, 36.102, 2.340
Yxy	4.6669, 0.4483, 0.2727
Android (android.graphics.Color)	4285342012 (0xFF6D213C)
YUV	58.8020, 0.5906, 44.0236
Hunter-Lab	21.6031, 25.5886, 2.0149

# Details

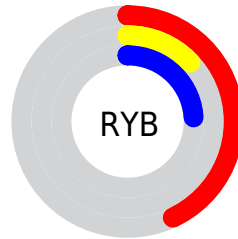
The YIQ color **58.8020, 36.6290, 24.5090** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **83.1980, -36.6290, -24.5090**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **109.9550, 40.5720, 24.6360**, and **19.0950, 28.1940, 17.6820** is the 20% darker color. If you saturate the color by 10%, you get **51.5470, 41.9010, 28.0850**, and if you desaturate by 10%, it is **66.0570, 31.3570, 20.9330**.

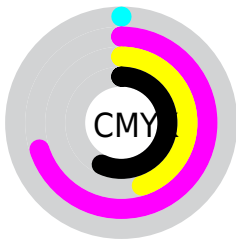
# Distribution



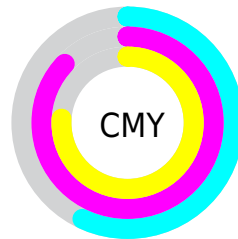
- Red (43%)
- Green (13%)
- Blue (24%)



- Red (43%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (70%)
- Yellow (45%)
- Black (57%)



- Cyan (57%)
- Magenta (87%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 58.8020, 36.6290, 24.5090 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 58.8020, 36.6290, 24.5090 by changing the saturation by 10% instead.



■ 58.8020, 36.6290,  
24.5090

■ 58.8020, 36.6290,  
24.5090

■ 255.0000, -0.0000,  
-0.0000

■ 31.4970, 36.1700,  
27.3220

■ 109.9550, 40.5720,  
24.6360

■ 19.0950, 28.1940,  
17.6820

■ 135.8520, 42.3600,  
25.2720

■ 9.6820, 18.7510,  
7.0950

■ 162.7490, 44.1480,  
25.9080

■ 0.0000, 0.0000,  
0.0000

■ 190.3470, 45.3400,  
26.3320

■ 211.4700, 31.6320,  
21.4560

■ 231.0980, 14.9440,

15.5200

249.7170, 2.4750,  
4.7070

58.8020, 36.6290,  
24.5090

58.8020, 36.6290,  
24.5090

51.5470, 41.9010,  
28.0850

66.0570, 31.3570,  
20.9330

44.2920, 47.1730,  
31.6610

73.3120, 26.0850,  
17.3570

37.0370, 52.4450,  
35.2370

80.5670, 20.8130,  
13.7810

87.8220, 15.5410,  
10.2050

94.4900, 10.5440,  
7.1520

■ 101.7450, 5.2720,  
3.5760

■ 109.0000, -0.0000,  
0.0000

■ 116.2550, -5.2720,  
-3.5760

■ 123.5100,  
-10.5440, -7.1520

# Harmonies

## Analogous

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



61.8030, 17.6930, 26.2770



58.8020, 36.6290, 24.5090



58.0610, 42.7290, 13.0730

# Triad

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



58.8020, 36.6290, 24.5090



53.9840, 4.9560, -23.7480



53.5160, -54.2390, -2.7110

# Complementary

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



58.8020, 36.6290, 24.5090



83.1980, -36.6290, -24.5090

# 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.



53.1110, -48.9650, -10.1890



58.8020, 36.6290, 24.5090



46.1400, -30.7140, -27.0820

# Square

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



58.8020, 36.6290, 24.5090



56.7480, 26.4120, -16.1160



50.5060, -40.2520, -19.4200



50.7920, -54.8360, 2.6040



# Rectangle

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



58.8020, 36.6290, 24.5090



58.5410, 40.8970, 2.2170



50.5060, -40.2520, -19.4200



54.1200, -53.1840, -5.3120

# Sweetspot

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



58.8020, 36.6290, 24.5090



123.1100, 14.6700, 9.4700



56.0160, 4.2120, 33.8120



59.7670, 8.2060, 5.4700



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



58.8020, 36.6290, 24.5090



63.7820, 57.7170, 38.8130



61.5940, 42.5460, 10.8820



50.0220, 2.9340, 1.8940



39.7710, 56.2500, 37.8660



83.1730, 118.0930, 78.9970



# Inverse Universe

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



58.8020, 36.6290, 24.5090



63.7820, 57.7170, 38.8130



80.4060, -42.5460, -10.8820



50.0220, 2.9340, 1.8940



39.7710, 56.2500, 37.8660

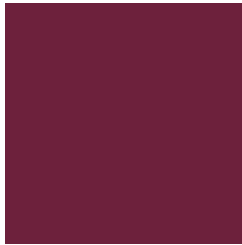


83.1730, 118.0930, 78.9970



# Previews

## White Background



This preview shows how the YIQ color 58.8020, 36.6290, 24.5090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

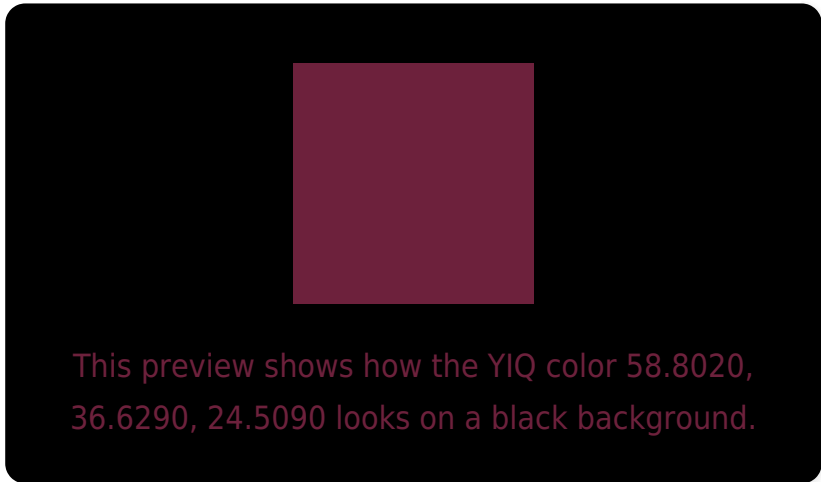
Any Text WCAG AA ✓ Pass

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

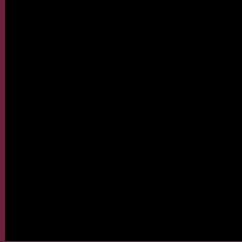
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 58.8020, 36.6290, 24.5090

## Background



This preview shows how black text looks on a background with the YIQ color 58.8020, 36.6290, 24.5090.



This preview shows how white text looks on a background with the YIQ color 58.8020, 36.6290,



# 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

58.8020, 36.6290, 24.5090

### Protanopia

62.8130, -6.6030, 4.0290

### Deuteranopia

62.8330, 7.8400, 1.0880



## Tritanopia

59.1580, 41.0780, 15.4620

# Trichromacy



## Original Color

58.8020, 36.6290, 24.5090

## Protanomaly

61.0540, 9.0760, 11.7320

## Deuteranomaly

61.2630, 18.6130, 9.5970

## Tritanomaly

58.7820, 39.3810, 18.6850

# Monochromacy



## Original Color

58.8020, 36.6290, 24.5090

## Achromatopsia

59.0000, 0.0000, -0.0000

## Achromatomaly

59.0990, 13.2030, 8.5230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 58.8020, 36.6290, 24.5090 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(109, 33, 60)` looks like.

```
.text, #text, p{  
    color:rgb(109, 33, 60)  
}
```

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(109, 33, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 33, 60) }
```

## Border

The CSS property to change the border of an element to YIQ 58.8020, 36.6290, 24.5090 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(109, 33, 60) }
```



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

```
.border{ border-color:rgb(109, 33, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 33, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 33, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 33, 60);  
box-shadow:4px 4px 4px 4px rgb(109, 33,  
60) }
```

# Background

The CSS property to change the background color of an element to YIQ 58.8020, 36.6290, 24.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 33, 60) }
```

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

```
.background{ background-color: rgb(109, 33,  
60) }
```

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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