

# Converting Colors

YIQ(58.3640, 37.5020, 14.1900)

Have a look what the booklet for  
YIQ(58.3640, 37.5020, 14.1900)  
contains.

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# Color

**YIQ(58.3640, 37.5020,  
14.1900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	672729
RGB	103, 39, 41
RGB Percent	40%, 15%, 16%
CMY	0.5959, 0.8471, 0.8391
CMYK	0.00, 0.62, 0.60, 0.60
HSL	358°, 45%, 28%
HSV	358°, 62%, 40%
XYZ	6.7235, 4.4955, 2.6146
YIQ	58.3640, 37.5020, 14.1900

# Conversions

## Conversions Part 2

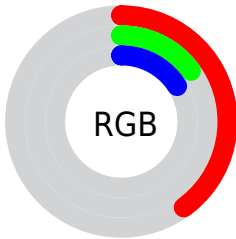
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 39, 41
Decimal	6760233
CIE <sub>Lab</sub>	25.25, 29.00, 13.41
CIE <sub>LCh</sub>	25, 31.953, 24.822
Yxy	4.4955, 0.4860, 0.3250
Android (android.graphics.Color)	4284950313 (0xFF672729)
YUV	58.3640, -8.5605, 39.1458
Hunter-Lab	21.2026, 19.4994, 7.5305

# Details

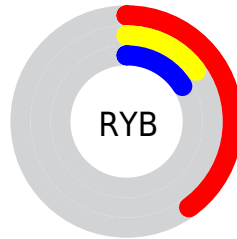
The YIQ color **58.3640, 37.5020, 14.1900** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **83.6360, -37.5020, -14.1900**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **108.1150, 42.6370, 14.7410**, and **15.5480, 30.9920, 11.0240** is the 20% darker color. If you saturate the color by 10%, you get **51.3540, 43.4620, 16.3100**, and if you desaturate by 10%, it is **65.3740, 31.5420, 12.0700**.

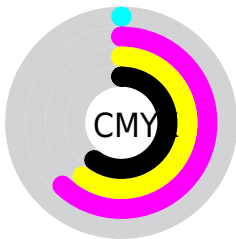
# Distribution



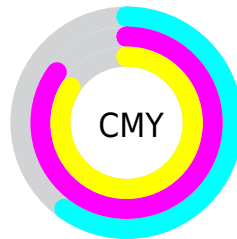
- Red (40%)
- Green (15%)
- Blue (16%)



- Red (40%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (60%)
- Black (60%)



- Cyan (60%)
- Magenta (85%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 58.3640, 37.5020, 14.1900 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 58.3640, 37.5020, 14.1900 by changing the saturation by 10% instead.



■ 58.3640, 37.5020,  
14.1900

■ 58.3640, 37.5020,  
14.1900

■ 255.0000, -0.0000,  
-0.0000

■ 34.2220, 35.0260,  
15.0100

■ 108.1150, 42.6370,  
14.7410

■ 15.5480, 30.9920,  
11.0240

■ 133.8980, 44.7460,  
15.0660

■ 5.6810, 11.3240,  
4.0280

■ 160.7950, 46.5340,  
15.7020

■ 0.0000, 0.0000,  
0.0000

■ 188.2790, 48.0470,  
15.8150

■ 210.4950, 38.5110,  
12.4230

■ 230.1230, 21.8230,

6.4870

250.3380, 4.8600,  
0.0280

58.3640, 37.5020,  
14.1900

58.3640, 37.5020,  
14.1900

51.3540, 43.4620,  
16.3100

65.3740, 31.5420,  
12.0700

43.7570, 49.6970,  
18.9530

72.9710, 25.3070,  
9.4270

36.7470, 55.6570,  
21.0730

79.9810, 19.3470,  
7.3070

31.1390, 60.4250,  
22.7690

86.9910, 13.3870,  
5.1870

94.0010, 7.4270,  
3.0670

■ 101.5980, 1.1920,  
0.4240

■ 108.6080, -4.7680,  
-1.6960

■ 115.6180,  
-10.7280, -3.8160

■ 123.2150,  
-16.9630, -6.4590

# Harmonies

## Analogous

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



59.3280, 29.1560, 22.2760



58.3640, 37.5020, 14.1900



58.5620, 36.4040, 1.0440

# Triad

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



58.3640, 37.5020, 14.1900



50.0170, -17.0060, -22.2060



49.8800, -52.2680, 0.1160

# Complementary

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



58.3640, 37.5020, 14.1900



83.6360, -37.5020, -14.1900

# 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.



51.7890, -50.7540, -5.2980



58.3640, 37.5020, 14.1900



47.9470, -37.1800, -20.0280

# Square

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



58.3640, 37.5020, 14.1900



54.6690, 10.4570, -18.8150



50.6830, -44.8840, -12.5640



59.9880, -16.9210, 14.8150



# Rectangle

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



58.3640, 37.5020, 14.1900



57.3560, 30.8120, -7.7480



50.6830, -44.8840, -12.5640



50.8260, -52.1760, -1.5520

# Sweetspot

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



58.3640, 37.5020, 14.1900



116.8880, 15.1750, 5.8230



64.8340, 16.4080, 33.0480



57.8980, 9.2150, 3.7030



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



58.3640, 37.5020, 14.1900



64.5410, 59.2330, 22.3450



75.7460, 29.8940, -2.1220



47.4950, 2.9800, 1.0600



34.8410, 67.2560, 25.6240



73.2700, 141.6640, 53.7920



# Inverse Universe

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



58.3640, 37.5020, 14.1900



64.5410, 59.2330, 22.3450



66.2540, -29.8940, 2.1220



47.4950, 2.9800, 1.0600



34.8410, 67.2560, 25.6240

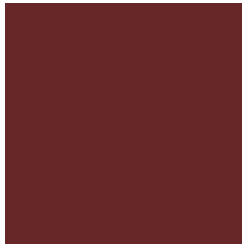


73.2700, 141.6640, 53.7920



# Previews

## White Background



This preview shows how the YIQ color 58.3640, 37.5020, 14.1900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

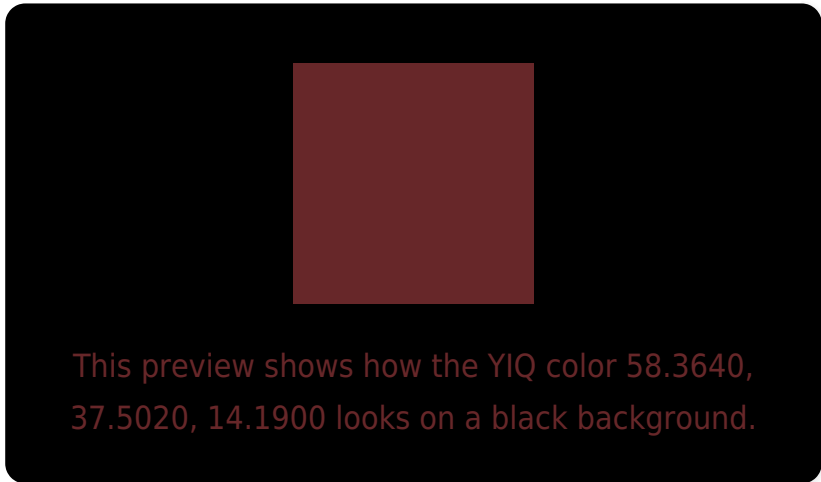
Any Text WCAG AA ✓ Pass

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

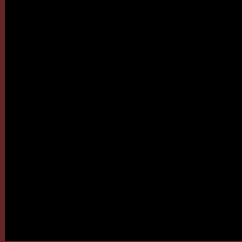
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 58.3640, 37.5020, 14.1900

## Background



This preview shows how black text looks on a background with the YIQ color 58.3640, 37.5020, 14.1900.



This preview shows how white text looks on a background with the YIQ color 58.3640, 37.5020,



# 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

58.3640, 37.5020, 14.1900

### Protanopia

60.6430, 5.3190, -2.7850

### Deuteranopia

60.5040, 15.9560, -2.8280



## Tritanopia

58.3640, 37.5020, 14.1900

# Trichromacy



## Original Color

58.3640, 37.5020, 14.1900

## Protanomaly

59.7910, 16.8260, 3.4340

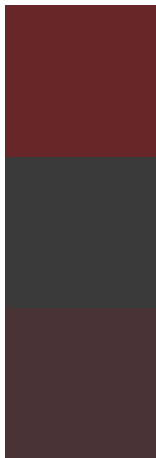
## Deuteranomaly

59.7980, 24.1160, 3.4760

## Tritanomaly

58.3640, 37.5020, 14.1900

# Monochromacy



## Original Color

58.3640, 37.5020, 14.1900

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

57.9910, 13.3870, 5.1870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 58.3640, 37.5020, 14.1900 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(103, 39, 41)` looks like.

```
.text, #text, p{  
    color:rgb(103, 39, 41)  
}
```

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(103, 39, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 39, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 58.3640, 37.5020, 14.1900 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(103, 39, 41) }
```



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

```
.border{ border-color:rgb(103, 39, 41) }
```

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

Here you see how a box with a 4 pixel rgb(103, 39, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 39, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 39, 41);  
box-shadow:4px 4px 4px 4px rgb(103, 39,  
41) }
```

# Background

The CSS property to change the background color of an element to YIQ 58.3640, 37.5020, 14.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 39, 41) }
```

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

```
.background{ background-color: rgb(103, 39,  
41) }
```

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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