

# Converting Colors

YIQ(53.8050, 40.5740, 13.5820)

Have a look what the booklet for  
YIQ(53.8050, 40.5740, 13.5820)  
contains.

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# Color

**YIQ(53.8050, 40.5740,  
13.5820)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 652220                    |
| RGB           | 101, 34, 32               |
| RGB Percent   | 40%, 13%, 13%             |
| CMY           | 0.6038, 0.8668, 0.8743    |
| CMYK          | 0.00, 0.66, 0.68, 0.60    |
| HSL           | 2°, 52%, 26%              |
| HSV           | 2°, 68%, 40%              |
| XYZ           | 6.2038, 4.0160, 1.8176    |
| YIQ           | 53.8050, 40.5740, 13.5820 |

# Conversions

## Conversions Part 2

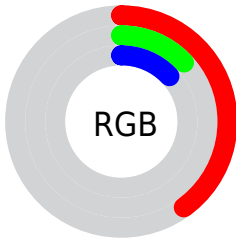
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 101, 34, 32                   |
| Decimal                             | 6627872                       |
| CIELab                              | 23.72, 30.09, 17.38           |
| CIELCh                              | 24, 34.747, 30.004            |
| Yxy                                 | 4.0160, 0.5154,<br>0.3336     |
| Android<br>(android.graphics.Color) | 4284817952<br>(0xFF652220)    |
| YUV                                 | 53.8050, -10.7499,<br>41.3900 |
| Hunter-Lab                          | 20.0399, 20.1891,<br>8.6503   |

# Details

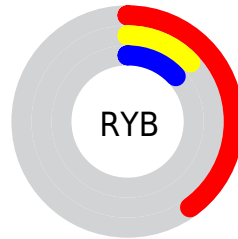
The YIQ color **53.8050, 40.5740, 13.5820** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **79.1950, -40.5740, -13.5820**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **103.4420, 46.0300, 13.8220**, and **14.6510, 29.2040, 10.3880** is the 20% darker color. If you saturate the color by 10%, you get **46.7950, 46.5340, 15.7020**, and if you desaturate by 10%, it is **60.8150, 34.6140, 11.4620**.

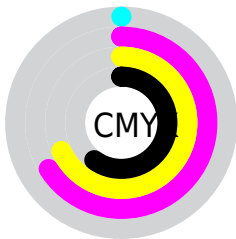
# Distribution



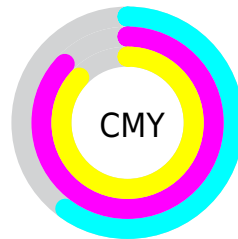
- Red (40%)
- Green (13%)
- Blue (13%)



- Red (40%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (68%)
- Black (60%)



- Cyan (60%)
- Magenta (87%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.8050, 40.5740, 13.5820 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 53.8050, 40.5740, 13.5820 by changing the saturation by 10% instead.



■ 53.8050, 40.5740,  
13.5820

■ 53.8050, 40.5740,  
13.5820

255.0000, -0.0000,  
-0.0000

■ 28.2610, 39.2900,  
14.8260

■ 103.4420, 46.0300,  
13.8220

■ 14.6510, 29.2040,  
10.3880

■ 129.5240, 48.7350,  
14.3590

■ 2.3920, 4.7680,  
1.6960

■ 156.3070, 50.8440,  
14.6840

■ 0.0000, 0.0000,  
0.0000

■ 183.2040, 52.6320,  
15.3200

■ 206.3060, 43.4170,  
11.6170

■ 225.8200, 27.0500,

5.3700

245.4480, 10.3620,  
-0.5660

53.8050, 40.5740,  
13.5820

53.8050, 40.5740,  
13.5820

46.7950, 46.5340,  
15.7020

60.8150, 34.6140,  
11.4620

39.7850, 52.4940,  
17.8220

67.8250, 28.6540,  
9.3420

33.3620, 58.1790,  
19.4190

74.2480, 22.9690,  
7.7450

31.9600, 59.3710,  
19.8430

81.2580, 17.0090,  
5.6250

88.3820, 10.7280,  
3.8160

■ 95.3920, 4.7680,  
1.6960

■ 102.4020, -1.1920,  
-0.4240

■ 109.4120, -7.1520,  
-2.5440

■ 115.8350,  
-12.8370, -4.1410

# Harmonies

## Analogous

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



54.7200, 33.9240, 23.9720



53.8050, 40.5740, 13.5820



54.0520, 37.7800, -1.8680

# Triad

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



53.8050, 40.5740, 13.5820



42.6350, -27.7340, -26.0220



47.6460, -51.4890, 2.5190

# Complementary

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



53.8050, 40.5740, 13.5820



79.1950, -40.5740, -13.5820

# 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.



50.2560, -50.5710, -3.1070



53.8050, 40.5740, 13.5820



46.3000, -36.6760, -18.1480

# Square

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



53.8050, 40.5740, 13.5820



49.7070, 7.2940, -22.0660



49.2640, -45.0220, -10.0620



57.4230, -13.7120, 17.2320



# Rectangle

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



53.8050, 40.5740, 13.5820



53.2480, 30.9960, -11.0840



49.2640, -45.0220, -10.0620



48.7060, -51.7180, 1.1620

# Sweetspot

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



53.8050, 40.5740, 13.5820



114.6600, 15.8170, 5.2010



60.3830, 19.2960, 35.7760



55.3710, 9.2610, 2.8690



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



53.8050, 40.5740, 13.5820



58.3520, 64.1390, 21.5390



73.7630, 31.2240, -4.2000



47.4950, 2.9800, 1.0600



36.1460, 67.7150, 22.8110



76.4670, 142.3070, 47.6430



# Inverse Universe

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



79.1950, -40.5740, -13.5820



98.6480, -64.1390, -21.5390



59.2370, -31.2240, 4.2000



49.5050, -2.9800, -1.0600



78.8540, -67.7150, -22.8110

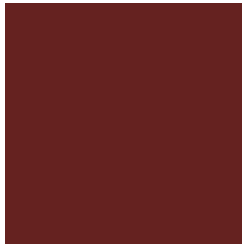


165.5330, -142.3070, -47.6430



# Previews

## White Background



This preview shows how the YIQ color 53.8050, 40.5740, 13.5820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

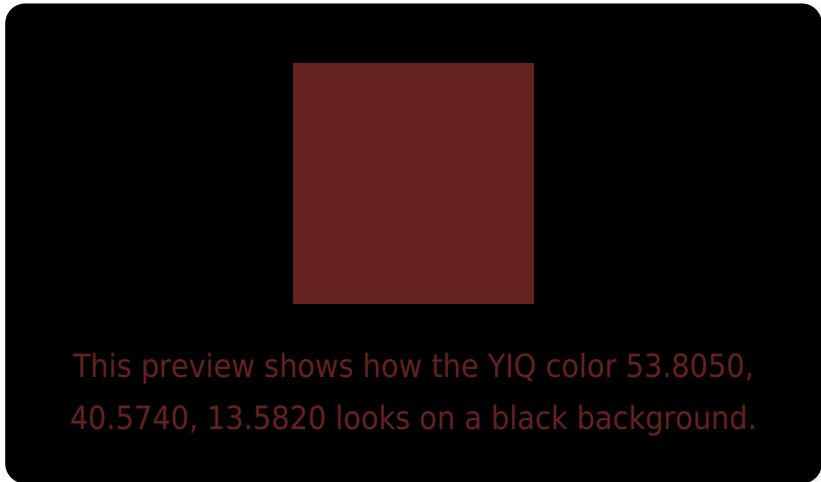
Any Text WCAG AA ✓ Pass

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

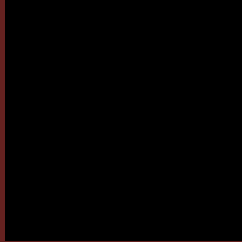
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 53.8050, 40.5740, 13.5820

## Background



This preview shows how black text looks on a background with the YIQ color 53.8050, 40.5740, 13.5820.



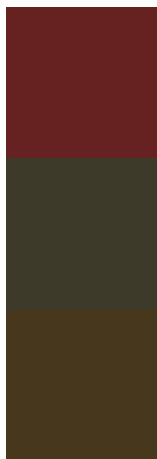
This preview shows how white text looks on a background with the YIQ color 53.8050, 40.5740,



# 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

53.8050, 40.5740, 13.5820

### Protanopia

57.2580, 7.8410, -4.4390

### Deuteranopia

56.7060, 18.2030, -5.0050



## Tritanopia

53.5600, 39.8860, 15.0380

# Trichromacy



## Original Color

53.8050, 40.5740, 13.5820

## Protanomaly

55.8190, 19.6230, 2.3030

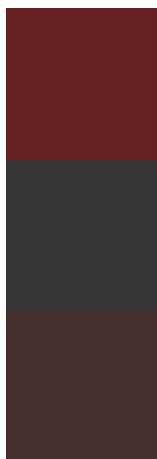
## Deuteranomaly

55.4130, 26.6380, 1.8220

## Tritanomaly

53.4460, 40.2070, 14.7270

# Monochromacy



## Original Color

53.8050, 40.5740, 13.5820

## Achromatopsia

54.0000, -0.0000, 0.0000

## Achromatomaly

54.0620, 14.6250, 4.7770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.8050, 40.5740, 13.5820 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(101, 34, 32)` looks like.

```
.text, #text, p{  
    color:rgb(101, 34, 32)  
}
```

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(101, 34, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 34, 32) }
```

## Border

The CSS property to change the border of an element to YIQ 53.8050, 40.5740, 13.5820 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(101, 34, 32) }
```



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

```
.border{ border-color:rgb(101, 34, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 34, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 34, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 34, 32);  
box-shadow:4px 4px 4px 4px rgb(101, 34,  
32) }
```

# Background

The CSS property to change the background color of an element to YIQ 53.8050, 40.5740, 13.5820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 34, 32) }
```

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

```
.background{ background-color: rgb(101, 34,  
32) }
```

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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