

# Converting Colors

YIQ(60.7890, 46.6710, 18.7270)

Have a look what the booklet for  
YIQ(60.7890, 46.6710, 18.7270)  
contains.

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# Color

**YIQ(60.7890, 46.6710,  
18.7270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	752429
RGB	117, 36, 41
RGB Percent	46%, 14%, 16%
CMY	0.5410, 0.8589, 0.8390
CMYK	0.00, 0.69, 0.65, 0.54
HSL	356°, 53%, 30%
HSV	356°, 69%, 46%
XYZ	8.3737, 5.2055, 2.6655
YIQ	60.7890, 46.6710, 18.7270

# Conversions

## Conversions Part 2

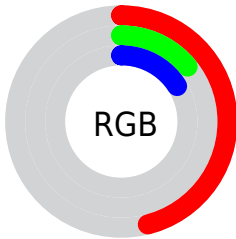
Format	Color
<a href="#">RYB</a>	<a href="#">117, 36, 41</a>
Decimal	<a href="#">7676969</a>
CIELab	<a href="#">27.31, 35.79, 16.60</a>
CIELCh	<a href="#">27, 39.456, 24.887</a>
Yxy	<a href="#">5.2055, 0.5155, 0.3204</a>
Android (android.graphics.Color)	<a href="#">4285867049 (0xFF752429)</a>
YUV	<a href="#">60.7890, -9.7560, 49.2970</a>
Hunter-Lab	<a href="#">22.8155, 25.5857, 9.0442</a>

# Details

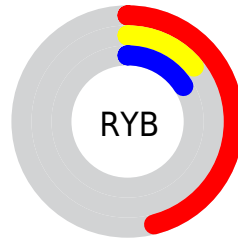
The YIQ color **60.7890, 46.6710, 18.7270** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **92.2110, -46.6710, -18.7270**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **112.3120, 52.4480, 18.6560**, and **18.8370, 37.5480, 13.3560** is the 20% darker color. If you saturate the color by 10%, you get **52.4910, 53.5020, 21.5820**, and if you desaturate by 10%, it is **69.0870, 39.8400, 15.8720**.

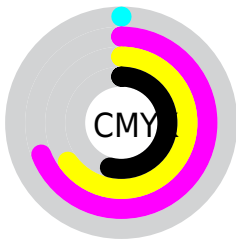
# Distribution



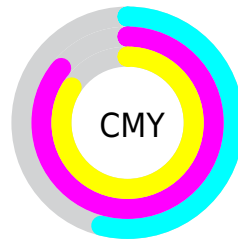
- Red (46%)
- Green (14%)
- Blue (16%)



- Red (46%)
- Yellow (14%)
- Blue (16%)



- Cyan (0%)
- Magenta (69%)
- Yellow (65%)
- Black (54%)



- Cyan (54%)
- Magenta (86%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.7890, 46.6710, 18.7270 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 60.7890, 46.6710, 18.7270 by changing the saturation by 10% instead.



60.7890, 46.6710,  
18.7270

60.7890, 46.6710,  
18.7270

255.0000, -0.0000,  
-0.0000

34.0000, 44.6990,  
21.4270

112.3120, 52.4480,  
18.6560

18.8370, 37.5480,  
13.3560

138.3940, 55.1530,  
19.1930

11.4760, 22.3270,  
8.3670

165.8780, 56.6660,  
19.3060

0.0000, 0.0000,  
0.0000

191.5680, 54.6030,  
18.1470

210.4950, 38.5110,  
12.4230

230.7100, 21.5480,

5.9640

250.3380, 4.8600,  
0.0280

60.7890, 46.6710,  
18.7270

60.7890, 46.6710,  
18.7270

52.4910, 53.5020,  
21.5820

69.0870, 39.8400,  
15.8720

44.7800, 60.0580,  
23.9140

76.7980, 33.2840,  
13.5400

36.4820, 66.8890,  
26.7690

85.0960, 26.4530,  
10.6850

35.7810, 67.4850,  
26.9810

93.3940, 19.6220,  
7.8300

101.1050, 13.0660,  
5.4980

■ 109.4030, 6.2350,  
2.6430

■ 117.7010, -0.5960,  
-0.2120

■ 125.9990, -7.4270,  
-3.0670

■ 133.7100,  
-13.9830, -5.3990

# Harmonies

## Analogous

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



61.8500, 36.6740, 29.2020



60.7890, 46.6710, 18.7270



61.7540, 44.6110, 0.9870

# Triad

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



60.7890, 46.6710, 18.7270



48.2990, -26.9080, -29.9800



55.3400, -59.3750, 2.2650

# Complementary

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



60.7890, 46.6710, 18.7270



92.2110, -46.6710, -18.7270

# 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.



57.6080, -57.4940, -4.2940



60.7890, 46.6710, 18.7270



52.3980, -40.0680, -22.7560

# Square

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



60.7890, 46.6710, 18.7270



57.2360, 12.9340, -25.1620



55.9320, -50.0190, -13.1150



64.1600, -23.1570, 17.6990



# Rectangle

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



60.7890, 46.6710, 18.7270



60.6680, 38.5610, -10.5190



55.9320, -50.0190, -13.1150



56.2860, -59.2830, 0.5970

# Sweetspot

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



60.7890, 46.6710, 18.7270



130.7960, 18.4300, 7.4060



67.9580, 19.2950, 41.3030



63.2080, 11.2780, 4.8620



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



60.7890, 46.6710, 18.7270



64.8850, 73.1240, 29.4120



80.7640, 38.6510, -1.1330



54.7940, 3.5760, 1.2720



37.3900, 70.1440, 28.3520



76.5740, 143.8640, 57.9760



# Inverse Universe

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



60.7890, 46.6710, 18.7270



64.8850, 73.1240, 29.4120



72.2360, -38.6510, 1.1330



54.7940, 3.5760, 1.2720



37.3900, 70.1440, 28.3520

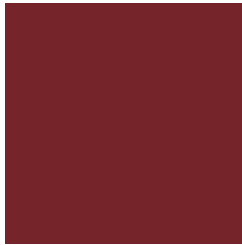


76.5740, 143.8640, 57.9760



# Previews

## White Background



This preview shows how the YIQ color 60.7890, 46.6710, 18.7270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

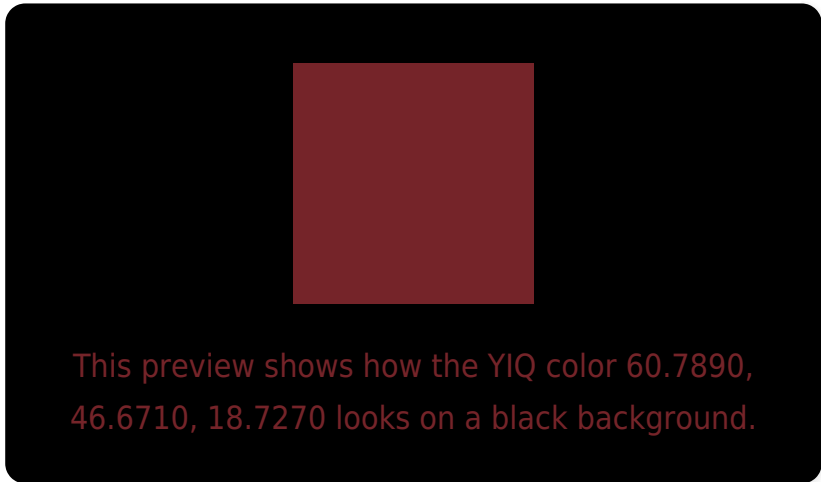
Any Text WCAG AA ✓ Pass

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 60.7890, 46.6710, 18.7270**

## **Background**



This preview shows how black text looks on a background with the YIQ color 60.7890, 46.6710, 18.7270.



This preview shows how white text looks on a background with the YIQ color 60.7890, 46.6710,



# 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

60.7890, 46.6710, 18.7270

### Protanopia

65.7140, 6.5570, -3.1950

### Deuteranopia

65.1190, 18.4780, -4.4820



## Tritanopia

60.4470, 47.6340, 17.7940

# Trichromacy



## Original Color

60.7890, 46.6710, 18.7270

## Protanomaly

63.8840, 20.9980, 4.9180

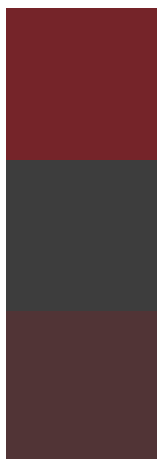
## Deuteranomaly

63.2500, 28.6550, 3.8150

## Tritanomaly

60.5610, 47.3130, 18.1050

# Monochromacy



## Original Color

60.7890, 46.6710, 18.7270

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

60.8990, 16.6420, 6.7700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.7890, 46.6710, 18.7270 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(117, 36, 41)` looks like.

```
.text, #text, p{  
    color:rgb(117, 36, 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(117, 36, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 36, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 60.7890, 46.6710, 18.7270 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(117, 36, 41) }
```



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

```
.border{ border-color:rgb(117, 36, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 36, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 36, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 36, 41);  
box-shadow:4px 4px 4px 4px rgb(117, 36,  
41) }
```

# Background

The CSS property to change the background color of an element to YIQ 60.7890, 46.6710, 18.7270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 36, 41) }
```

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

```
.background{ background-color: rgb(117, 36,  
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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