

Converting Colors

XYZ(66.7076, 43.3639, 9.0823)

Have a look what the booklet for
XYZ(66.7076, 43.3639, 9.0823)
contains.

XYZ(48.1863, 33.8477, 8.2685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.1863, 33.8477,
8.2685)**

Conversions

Conversions Part 1

Format	Color
Hex	FF733C
RGB	255, 115, 60
RGB Percent	100%, 45%, 24%
CMY	0.0000, 0.5490, 0.7647
CMYK	0.00, 0.55, 0.76, 0.00
HSL	17°, 100%, 62%
HSV	17°, 76%, 100%
XYZ	48.1863, 33.8477, 8.2685
YIQ	150.5900, 101.0950, 12.5750

Conversions

Conversions Part 2

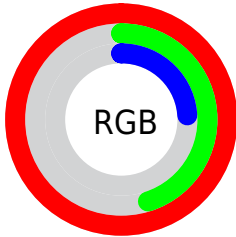
Format	Color
RYB	255, 137, 60
Decimal	16741180
CIELab	64.84, 50.23, 54.69
CIElCh	65, 74.256, 47.432
Yxy	33.8477, 0.5336, 0.3748
Android (android.graphics.Color)	4294931260 (0xFFFF733C)
YUV	150.5900, -44.6609, 91.5676
Hunter-Lab	58.1788, 46.0289, 32.2987

Details

The XYZ color **48.1863, 33.8477, 8.2685** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.5658, 49.4854, 102.0205**, and the grayscale version is **29.3958, 30.9267, 33.6792**.

A 20% lighter version of the original color is **58.4840, 51.1571, 21.8308**, and **23.1875, 14.4270, 1.7349** is the 20% darker color. If you saturate the color by 10%, you get **45.7829, 29.8727, 4.9046**, and if you desaturate by 10%, it is **51.3301, 38.7853, 13.4801**.

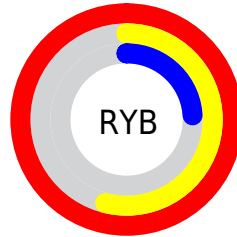
Distribution



Red (100%)

Green (45%)

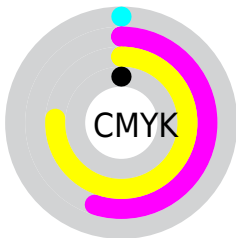
Blue (24%)



Red (100%)

Yellow (54%)

Blue (24%)

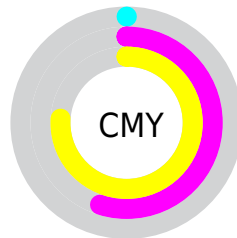


Cyan (0%)

Magenta (55%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1863, 33.8477, 8.2685 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 XYZ color 48.1863, 33.8477, 8.2685 by changing the saturation by 10% instead.


 48.1863, 33.8477,
8.2685


 48.1863, 33.8477,
8.2685

370.1004,
319.4524, 187.8356


 34.1863, 22.7766,
4.1770


 86.6897, 65.6968,
23.0380


 23.2003, 14.4287,
1.7229


 111.9239, 87.2435,
34.5530


 14.8630, 8.4194,
0.3764


 141.6335,
113.0510, 49.3796

 8.8090, 4.3645,
0.0000

 176.1839,
143.5035, 67.9364

 4.6729, 1.8795,
0.0000

 215.9404,
178.9856, 90.6418

 2.0894, 0.5360,
0.0000

 261.2684,

 0.6835, 0.0000,

219.8814, 117.9145

0.0000

312.5333,
266.5756, 150.1729

■ 0.0000, 0.0000,
0.0000

■ 48.1863, 33.8477,
8.2685

■ 48.1863, 33.8477,
8.2685

■ 45.7829, 29.8727,
4.9046

■ 51.3301, 38.7853,
13.4801

■ 44.0416, 26.7847,
3.1072


■ 55.2760, 44.7415,
20.7619


■ 43.5527, 25.8859,
2.7010

■ 60.0807, 51.7744,
30.3066

■ 65.7949, 59.9355,
42.2839

■ 72.4650, 69.2731,
56.8472

 80.1343, 79.8324,
74.1371

 88.8430, 91.6563,
94.2842

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



56.0539, 33.8477, 21.8750



48.1863, 33.8477, 8.2685



36.8574, 33.8477, 4.0761

Triad

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



48.1863, 33.8477, 8.2685



15.9827, 33.8477, 25.4656



38.7343, 33.8477, 126.4567

Complementary

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



48.1863, 33.8477, 8.2685



40.5658, 49.4854, 102.0205

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.



27.9001, 33.8477, 129.4229



48.1863, 33.8477, 8.2685



16.2677, 33.8477, 57.4662

Square

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



48.1863, 33.8477, 8.2685



19.2769, 33.8477, 9.6435



20.1675, 33.8477, 99.4820



49.8201, 33.8477, 92.7855

Rectangle

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



48.1863, 33.8477, 8.2685



29.5835, 33.8477, 3.8685



20.1675, 33.8477, 99.4820



34.9056, 33.8477, 131.5521

Sweetspot

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



48.1871, 33.8496, 8.2691



75.0115, 72.7970, 62.5314



53.6351, 28.8035, 59.2325



15.4888, 14.7971, 12.1192



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.1871, 33.8496, 8.2691



44.7441, 28.0603, 3.7386



64.9786, 67.4326, 13.8662



18.4265, 18.8212, 18.8060



22.8656, 13.7425, 1.4474



2.3142, 1.5137, 0.1702

Inverse Universe

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



40.5658, 49.4854, 102.0205



36.5058, 43.6912, 101.1169



25.0162, 18.3862, 96.8373



18.0964, 19.5644, 23.0725



18.4199, 21.7493, 52.6618



1.8862, 2.3031, 5.1584

Previews

White Background



This preview shows how the XYZ color 48.1863, 33.8477, 8.2685 looks on a white background.

Color Contrast Check

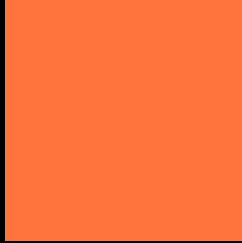
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.1863, 33.8477, 8.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

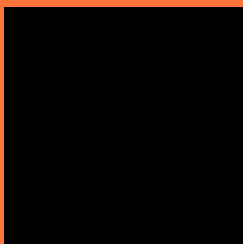
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1863, 33.8477, 8.2685

Background



This preview shows how black text looks on a background with the XYZ color 48.1863, 33.8477, 8.2685.



This preview shows how white text looks on a background with the XYZ color 48.1863, 33.8477,

8.2685.

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

48.1863, 33.8477, 8.2685

Protanopia

31.0758, 34.0356, 11.0625

Deuteranopia

34.5080, 33.9133, 7.7448



Tritanopia

50.1353, 33.9132, 20.7331

Trichromacy



Original Color

48.1863, 33.8477, 8.2685

Protanomaly

35.6182, 32.6007, 9.8841

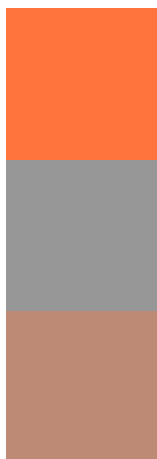
Deuteranomaly

38.5250, 33.0631, 7.8414

Tritanomaly

49.1455, 33.6929, 14.9795

Monochromacy



Original Color

48.1863, 33.8477, 8.2685

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.3448, 30.3038, 21.2313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1863, 33.8477, 8.2685 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(255, 115, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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(255, 115, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 60) }
```

Border

The CSS property to change the border of an element to XYZ 48.1863, 33.8477, 8.2685 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(255, 115, 60) }
```


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

```
.border{ border-color:rgb(255, 115, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1863, 33.8477, 8.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 60) }
```

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

```
.background{ background-color: rgb(255,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor