

Converting Colors

XYZ(48.4599, 33.7757, 10.2686)

Have a look what the booklet for
XYZ(48.4599, 33.7757, 10.2686)
contains.

XYZ(48.4599, 33.7757, 10.2686)	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(48.4599, 33.7757,
10.2686)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7249
RGB	255, 114, 73
RGB Percent	100%, 45%, 29%
CMY	0.0000, 0.5529, 0.7137
CMYK	0.00, 0.55, 0.71, 0.00
HSL	14°, 100%, 64%
HSV	14°, 71%, 100%
XYZ	48.4599, 33.7757, 10.2686
YIQ	151.4850, 97.1970, 17.1410

Conversions

Conversions Part 2

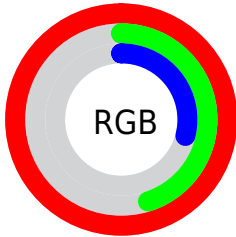
Format	Color
RYB	255, 126, 73
Decimal	16740937
CIELab	64.78, 51.23, 48.25
CIElCh	65, 70.374, 43.281
Yxy	33.7757, 0.5239, 0.3651
Android (android.graphics.Color)	4294931017 (0xFFFF7249)
YUV	151.4850, -38.6931, 90.7827
Hunter-Lab	58.1169, 47.1351, 30.2059

Details

The XYZ color **48.4599, 33.7757, 10.2686** 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 **44.8421, 56.7254, 103.1927**, and the grayscale version is **29.7564, 31.3060, 34.0923**.

A 20% lighter version of the original color is **59.0031, 51.0660, 25.4858**, and **23.2772, 14.3783, 2.4681** is the 20% darker color. If you saturate the color by 10%, you get **45.7883, 29.5199, 6.0273**, and if you desaturate by 10%, it is **51.9605, 39.1360, 16.4952**.

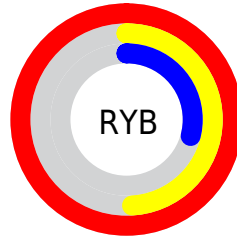
Distribution



Red (100%)

Green (45%)

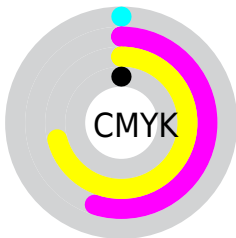
Blue (29%)



Red (100%)

Yellow (49%)

Blue (29%)

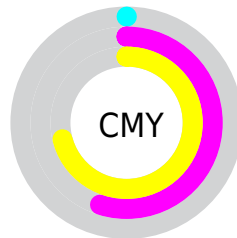


Cyan (0%)

Magenta (55%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4599, 33.7757, 10.2686 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 48.4599, 33.7757, 10.2686 by changing the saturation by 10% instead.


 48.4599, 33.7757,
10.2686


 48.4599, 33.7757,
10.2686


371.1645,
319.1307, 203.1325


 34.4040, 22.7213,
5.4695

 87.0943, 65.5847,
26.9152

 23.3685, 14.3879,
2.4618


 112.4035, 87.1082,
39.5997


 14.9880, 8.3909,
0.8198


 142.1946,
112.8901, 55.7498

 8.8972, 4.3461,
0.0000

 176.8328,
143.3149, 75.7840

 4.7308, 1.8690,
0.0000

 216.6835,
178.7670, 100.1208

 2.1233, 0.5296,
0.0000

262.1122,

 0.7018, 0.0000,

219.6307, 129.1788

0.0000

313.4840,
266.2905, 163.3765

■ 0.0000, 0.0000,
0.0000

■ 48.4599, 33.7757,
10.2686

■ 48.4599, 33.7757,
10.2686

■ 45.7883, 29.5199,
6.0273

■ 51.9605, 39.1360,
16.4952

■ 43.8668, 26.2824,
3.5201


■ 56.3540, 45.6674,
24.9138

■ 42.7255, 24.2314,
2.4252

■ 61.7004, 53.4374,
35.7065

■ 68.0534, 62.5066,
49.0362

■ 75.4628, 72.9316,
65.0511

 83.9747, 84.7657,
83.8877

 93.6327, 98.0591,
105.6737

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.



55.0170, 33.7757, 25.3989



48.4599, 33.7757, 10.2686



38.0341, 33.7757, 5.0555

Triad

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



48.4599, 33.7757, 10.2686



16.8367, 33.7757, 22.9576



36.7851, 33.7757, 122.0814

Complementary

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



48.4599, 33.7757, 10.2686



44.8421, 56.7254, 103.1927

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.



26.8226, 33.7757, 120.1654



48.4599, 33.7757, 10.2686



16.6410, 33.7757, 51.1259

Square

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



48.4599, 33.7757, 10.2686



20.5221, 33.7757, 9.2911



19.9154, 33.7757, 89.7597



47.3814, 33.7757, 94.1152

Rectangle

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



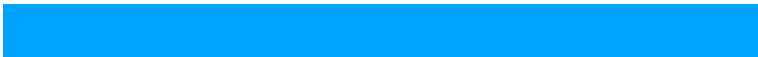
48.4599, 33.7757, 10.2686



31.0016, 33.7757, 4.4758



19.9154, 33.7757, 89.7597



33.2297, 33.7757, 125.2223

Sweetspot

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



48.4607, 33.7776, 10.2692



75.7599, 73.3467, 65.7006



55.9610, 30.9606, 67.6987



15.7522, 15.0503, 13.0508



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.



48.4607, 33.7776, 10.2692



44.8112, 27.9003, 4.6686



63.9007, 64.6576, 15.4158



18.3413, 18.6508, 18.7776



22.4160, 12.8433, 1.2975



2.2601, 1.4056, 0.1522

Inverse Universe

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



44.8421, 56.7254, 103.1927



40.7393, 51.5340, 102.4076



28.0766, 23.1944, 97.6042



18.1873, 19.7463, 23.1028



20.0462, 25.0019, 53.2039



2.0328, 2.5964, 5.2073

Previews

White Background



This preview shows how the XYZ color 48.4599, 33.7757, 10.2686 looks on a white background.

Color Contrast Check

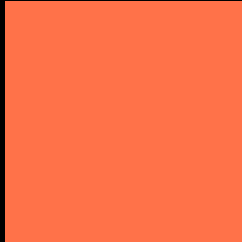
Large Text (above 18pt) WCAG AA × Fail

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 48.4599, 33.7757, 10.2686 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 48.4599, 33.7757, 10.2686

Background



This preview shows how black text looks on a background with the XYZ color 48.4599, 33.7757, 10.2686.



This preview shows how white text looks on a background with the XYZ color 48.4599, 33.7757,

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

48.4599, 33.7757, 10.2686

Protanopia

31.1807, 34.0261, 13.9411

Deuteranopia

34.6254, 33.9301, 9.7252



Tritanopia

50.0268, 33.6962, 20.6969

Trichromacy



Original Color

48.4599, 33.7757, 10.2686

Protanomaly

35.8246, 32.6517, 12.3969

Deuteranomaly

38.6043, 33.0604, 9.8155

Tritanomaly

49.2734, 33.5685, 16.1943

Monochromacy



Original Color

48.4599, 33.7757, 10.2686

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.6499, 30.4258, 22.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4599, 33.7757, 10.2686 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, 114, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 73)  
}
```

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, 114, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 73) }
```

Border

The CSS property to change the border of an element to XYZ 48.4599, 33.7757, 10.2686 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, 114, 73) }
```


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

```
.border{ border-color:rgb(255, 114, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4599, 33.7757, 10.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 73) }
```

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

```
.background{ background-color: rgb(255,  
114, 73) }
```

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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