

Converting Colors

XYZ(67.6151, 43.6326, 12.3418)

Have a look what the booklet for
XYZ(67.6151, 43.6326, 12.3418)
contains.

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Color

**XYZ(48.6686, 33.8591,
11.3675)**

Conversions

Conversions Part 1

Format	Color
Hex	FF724F
RGB	255, 114, 79
RGB Percent	100%, 45%, 31%
CMY	0.0000, 0.5529, 0.6902
CMYK	0.00, 0.55, 0.69, 0.00
HSL	12°, 100%, 65%
HSV	12°, 69%, 100%
XYZ	48.6686, 33.8591, 11.3675
YIQ	152.1690, 95.2710, 19.0070

Conversions

Conversions Part 2

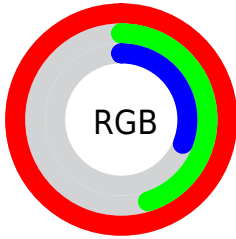
Format	Color
RYB	255, 123, 79
Decimal	16740943
CIELab	64.85, 51.52, 45.22
CIElCh	65, 68.552, 41.277
Yxy	33.8591, 0.5183, 0.3606
Android (android.graphics.Color)	4294931023 (0xFFFF724F)
YUV	152.1690, -36.0723, 90.1828
Hunter-Lab	58.1886, 47.4664, 29.1493

Details

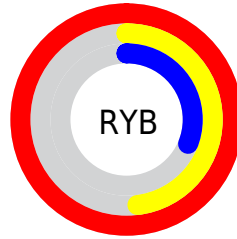
The XYZ color **48.6686, 33.8591, 11.3675** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.8656, 60.0646, 103.7307**, and the grayscale version is **30.0413, 31.6058, 34.4187**.

A 20% lighter version of the original color is **59.3904, 51.2209, 27.5253**, and **23.5629, 14.4387, 2.9115** is the 20% darker color. If you saturate the color by 10%, you get **45.8595, 29.4526, 6.6968**, and if you desaturate by 10%, it is **52.3495, 39.4407, 18.0843**.

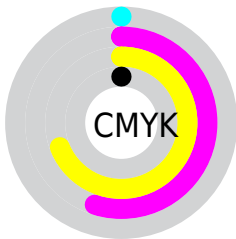
Distribution



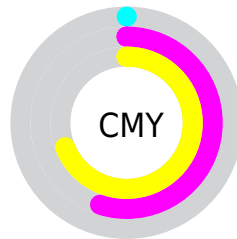
- Red (100%)
- Green (45%)
- Blue (31%)



- Red (100%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (55%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6686, 33.8591, 11.3675 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 48.6686, 33.8591, 11.3675 by changing the saturation by 10% instead.


 48.6686, 33.8591,
11.3675


 48.6686, 33.8591,
11.3675


371.9748,
319.5033, 210.9989


 34.5701, 22.7854,
6.1973


 87.4027, 65.7145,
28.9847

 23.4969, 14.4351,
2.8947


 112.7691, 87.2650,
42.2689


 15.0835, 8.4239,
1.0411


 142.6221,
113.0765, 59.0947

 8.9647, 4.3674,
0.0000

 177.3272,
143.5334, 79.8808

 4.7751, 1.8811,
0.0000

 217.2497,
179.0202, 105.0458

 2.1493, 0.5370,
0.0000

262.7548,

 0.7158, 0.0000,

219.9211, 135.0081

0.0000

314.2081,
266.6207, 170.1863

■ 0.0000, 0.0000,
0.0000

■ 48.6686, 33.8591,
11.3675

■ 48.6686, 33.8591,
11.3675

■ 45.8595, 29.4526,
6.6968

■ 52.3495, 39.4407,
18.0843

■ 43.8420, 26.1289,
3.8314

■ 56.9679, 46.2691,
27.0479


■ 42.5141, 23.7866,
2.4224

■ 62.5852, 54.4171,
38.4365

■ 42.4114, 23.6032,
2.3205

■ 69.2572, 63.9497,
52.4100

■ 77.0351, 74.9280,
69.1146

 85.9668, 87.4090,
88.6854

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



54.6308, 33.8591, 27.2208



48.6686, 33.8591, 11.3675



38.6712, 33.8591, 5.6218

Triad

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



48.6686, 33.8591, 11.3675



17.3384, 33.8591, 22.0189



36.0405, 33.8591, 120.0667

Complementary

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



48.6686, 33.8591, 11.3675



46.8656, 60.0646, 103.7307

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.



26.4627, 33.8591, 116.0946



48.6686, 33.8591, 11.3675



16.9192, 33.8591, 48.5585

Square

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



48.6686, 33.8591, 11.3675



21.2089, 33.8591, 9.2369



19.9154, 33.8591, 85.6472



46.4068, 33.8591, 94.7104

Rectangle

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



48.6686, 33.8591, 11.3675



31.7607, 33.8591, 4.8432



19.9154, 33.8591, 85.6472



32.6071, 33.8591, 122.3587

Sweetspot

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



48.6694, 33.8610, 11.3681



75.4045, 72.6360, 65.5822



57.3192, 32.1654, 72.8110



15.6691, 14.8840, 13.0231



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.



48.6694, 33.8610, 11.3681



44.9664, 28.0049, 5.3548



63.1359, 62.7941, 16.1903



18.3019, 18.5719, 18.7645



22.2432, 12.4977, 1.2399



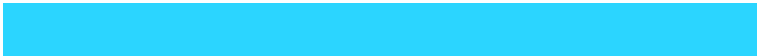
2.2380, 1.3614, 0.1448

Inverse Universe

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



46.8656, 60.0646, 103.7307



42.8305, 55.2801, 103.0205



29.9014, 26.1361, 98.0760



18.2299, 19.8314, 23.1170



20.8570, 26.6236, 53.4742



2.1052, 2.7411, 5.2314

Previews

White Background



This preview shows how the XYZ color 48.6686, 33.8591, 11.3675 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 48.6686, 33.8591, 11.3675 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 48.6686, 33.8591, 11.3675

Background



This preview shows how black text looks on a background with the XYZ color 48.6686, 33.8591, 11.3675.



This preview shows how white text looks on a background with the XYZ color 48.6686, 33.8591,

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

48.6686, 33.8591, 11.3675

Protanopia

31.4808, 34.1461, 15.5213

Deuteranopia

34.5494, 33.8697, 10.6778



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

48.6686, 33.8591, 11.3675

Protanomaly

36.1048, 32.7638, 13.8723

Deuteranomaly

38.7970, 33.1374, 10.8299

Tritanomaly

49.5329, 33.8478, 17.0193

Monochromacy



Original Color

48.6686, 33.8591, 11.3675

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.7764, 30.4764, 23.5044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6686, 33.8591, 11.3675 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 79) }
```

Border

The CSS property to change the border of an element to XYZ 48.6686, 33.8591, 11.3675 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, 79) }
```


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

```
.border{ border-color:rgb(255, 114, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6686, 33.8591, 11.3675 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
114, 79) }
```

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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