

Converting Colors

XYZ(46.7980, 33.4710, 5.4800)

Have a look what the booklet for
XYZ(46.7980, 33.4710, 5.4800)
contains.

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Color

**XYZ(46.7949, 33.5335,
5.5196)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7522
RGB	252, 117, 34
RGB Percent	99%, 46%, 13%
CMY	0.0118, 0.5411, 0.8667
CMYK	0.00, 0.54, 0.87, 0.01
HSL	23°, 97%, 56%
HSV	23°, 87%, 99%
XYZ	46.7949, 33.5335, 5.5196
YIQ	147.9030, 107.1030, 2.8070

Conversions

Conversions Part 2

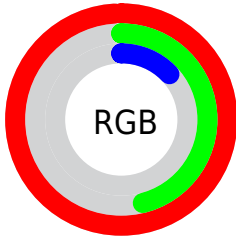
Format	Color
RYB	252, 168, 34
Decimal	16545058
CIELab	64.59, 47.44, 64.93
CIELCh	65, 80.413, 53.848
Yxy	33.5335, 0.5451, 0.3906
Android (android.graphics.Color)	4294735138 (0xFFFC7522)
YUV	147.9030, -56.1542, 91.2931
Hunter-Lab	57.9081, 42.9046, 34.8844

Details

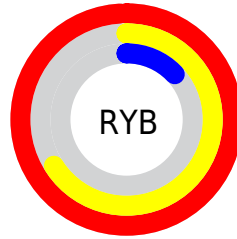
The XYZ color **46.7949, 33.5335, 5.5196** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **32.4171, 35.7419, 97.2851**, and the grayscale version is **28.3046, 29.7786, 32.4289**.

A 20% lighter version of the original color is **57.7540, 51.4696, 16.1232**, and **22.5724, 14.3582, 1.5817** is the 20% darker color. If you saturate the color by 10%, you get **44.8858, 30.1006, 3.6970**, and if you desaturate by 10%, it is **49.2739, 37.6825, 8.8417**.

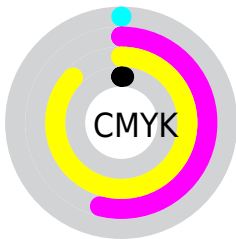
Distribution



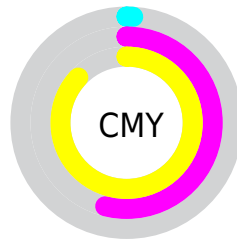
- Red (99%)
- Green (46%)
- Blue (13%)



- Red (99%)
- Yellow (66%)
- Blue (13%)



- Cyan (0%)
- Magenta (54%)
- Yellow (87%)
- Black (1%)





- Cyan (1%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7949, 33.5335, 5.5196 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 46.7949, 33.5335, 5.5196 by changing the saturation by 10% instead.


 46.7949, 33.5335,
5.5196

 46.7949, 33.5335,
5.5196


364.6579,
318.0469, 163.8580

 33.0808, 22.5355,
2.4912


 84.6280, 65.2076,
17.3854


 22.3479, 14.2509,
0.8355


 109.4777, 86.6524,
27.0600


 14.2308, 8.2954,
0.0000


 138.7700,
112.3482, 39.7870

 8.3641, 4.2845,
0.0000

 172.8703,
142.6795, 55.9850

 4.3826, 1.8340,
0.0000

 212.1438,
178.0306, 76.0726

 1.9208, 0.5082,
0.0000

 256.9560,

 0.5889, 0.0000,

218.7860, 100.4683

0.0000

307.6723,
265.3299, 129.5905

■ 0.0000, 0.0000,
0.0000

■ 46.7949, 33.5335,
5.5196

■ 46.7949, 33.5335,
5.5196

■ 44.8858, 30.1006,
3.6970

■ 49.2739, 37.6825,
8.8417

■ 44.3231, 29.0524,
3.2716

■ 52.3847, 42.5899,
13.9301

■ 56.1812, 48.2998,
21.0004

■ 60.7097, 54.8507,
30.2363

■ 66.0122, 62.2779,
41.8004

72.1269, 70.6147,
55.8395

79.0896, 79.8924,
72.4882

86.9333, 90.1407,
91.8712

93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



56.7062, 33.5335, 16.4118



46.7949, 33.5335, 5.5196



34.3041, 33.5335, 2.7952

Triad

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



46.7949, 33.5335, 5.5196



14.5420, 33.5335, 30.1311



41.6854, 33.5335, 130.5959

Complementary

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



46.7949, 33.5335, 5.5196



32.4171, 35.7419, 97.2851

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.



29.5587, 33.5335, 142.7591



46.7949, 33.5335, 5.5196



15.6117, 33.5335, 68.6065

Square

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



46.7949, 33.5335, 5.5196



17.1326, 33.5335, 10.4300



20.5167, 33.5335, 115.3422



53.2940, 33.5335, 88.1298

Rectangle

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



46.7949, 33.5335, 5.5196



26.8630, 33.5335, 3.0701



20.5167, 33.5335, 115.3422



37.4692, 33.5335, 139.1239

Sweetspot

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



46.7956, 33.5354, 5.5202



74.4254, 72.9863, 58.1387



48.1695, 24.8206, 41.3156



15.4402, 14.9601, 11.3009



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.



46.7956, 33.5354, 5.5202



45.5235, 29.8270, 3.3578



66.8031, 73.5503, 12.1893



17.7863, 18.3084, 18.0588



23.2196, 15.3959, 1.7479



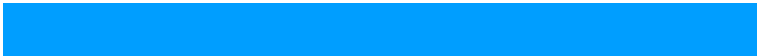
2.2493, 1.6234, 0.1948

Inverse Universe

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



32.4171, 35.7419, 97.2851



30.2606, 31.6412, 99.1202



20.0117, 10.9310, 93.1499



17.1782, 18.4333, 22.0379



15.4965, 16.3486, 50.3124



1.5375, 1.7187, 4.6939

Previews

White Background



This preview shows how the XYZ color 46.7949, 33.5335, 5.5196 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 46.7949, 33.5335, 5.5196 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 46.7949, 33.5335, 5.5196

Background



This preview shows how black text looks on a background with the XYZ color 46.7949, 33.5335, 5.5196.



This preview shows how white text looks on a background with the XYZ color 46.7949, 33.5335,

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

46.7949, 33.5335, 5.5196

Protanopia

30.4161, 33.5259, 7.2509

Deuteranopia

34.3554, 33.6589, 4.9733



Tritanopia

49.9195, 33.4816, 20.6612

Trichromacy



Original Color

46.7949, 33.5335, 5.5196

Protanomaly

34.9578, 32.3366, 6.4066

Deuteranomaly

37.9766, 32.8438, 4.9540

Tritanomaly

48.3875, 33.3473, 12.9032

Monochromacy



Original Color

46.7949, 33.5335, 5.5196

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

31.8492, 29.3920, 17.9045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7949, 33.5335, 5.5196 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(252, 117, 34)` looks like.

```
.text, #text, p{  
    color:rgb(252, 117, 34)  
}
```

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(252, 117, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 117, 34) }
```

Border

The CSS property to change the border of an element to XYZ 46.7949, 33.5335, 5.5196 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(252, 117, 34) }
```


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

```
.border{ border-color:rgb(252, 117, 34) }
```

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

Here you see how a box with a 4 pixel rgb(252, 117, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 117, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 117, 34);  
box-shadow:4px 4px 4px 4px rgb(252, 117,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7949, 33.5335, 5.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 117, 34) }
```

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

```
.background{ background-color: rgb(252,  
117, 34) }
```

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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