

Converting Colors

XYZ(45.9289, 33.1844, 4.6460)

Have a look what the booklet for
XYZ(45.9289, 33.1844, 4.6460)
contains.

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Color

**XYZ(45.9119, 33.0971,
4.6304)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7514
RGB	250, 117, 20
RGB Percent	98%, 46%, 8%
CMY	0.0196, 0.5411, 0.9215
CMYK	0.00, 0.53, 0.92, 0.02
HSL	25°, 96%, 53%
HSV	25°, 92%, 98%
XYZ	45.9119, 33.0971, 4.6304
YIQ	145.7090, 110.4050, -1.9710

Conversions

Conversions Part 2

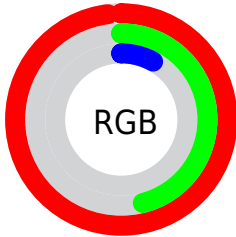
Format	Color
R _{YB}	250, 188, 20
Decimal	16413972
CIE Lab	64.24, 46.45, 68.53
CIE LCh	64, 82.794, 55.870
Yxy	33.0971, 0.5489, 0.3957
Android (android.graphics.Color)	4294604052 (0xFFFA7514)
YUV	145.7090, -61.9745, 91.4632
Hunter-Lab	57.5301, 41.7743, 35.4990

Details

The XYZ color **45.9119, 33.0971, 4.6304** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **28.9344, 29.8320, 94.6749**, and the grayscale version is **27.4178, 28.8457, 31.4130**.

A 20% lighter version of the original color is **57.2142, 50.9503, 14.2160**, and **22.0831, 14.1059, 1.5588** is the 20% darker color. If you saturate the color by 10%, you get **44.5206, 30.5170, 3.5439**, and if you desaturate by 10%, it is **48.0766, 36.8710, 7.0661**.

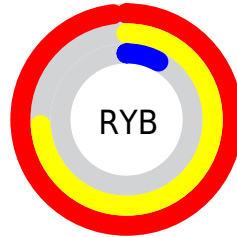
Distribution



Red (98%)

Green (46%)

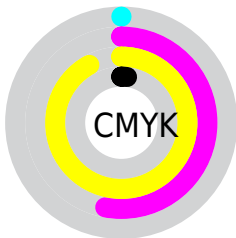
Blue (8%)



Red (98%)

Yellow (74%)

Blue (8%)

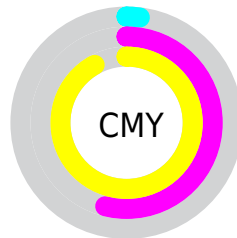


Cyan (0%)

Magenta (53%)

Yellow (92%)

Black (2%)



Cyan (2%)


Magenta (54%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9119, 33.0971, 4.6304 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 45.9119, 33.0971, 4.6304 by changing the saturation by 10% instead.


 45.9119, 33.0971,
4.6304


 45.9119, 33.0971,
4.6304

361.1762,
316.0870, 154.9938

 32.3806, 22.2008,
1.9772


 83.3158, 64.5271,
15.4394


 21.8094, 14.0045,
0.5412


 107.9192, 85.8296,
24.4322


 13.8327, 8.1238,
0.0000


 136.9439,
111.3697, 36.3753

 8.0853, 4.1743,
0.0000

 170.7554,
141.5317, 51.6872

 4.2019, 1.7715,
0.0000

 209.7191,
176.7001, 70.7865

 1.8170, 0.4693,
0.0000

 254.2002,

 0.5279, 0.0000,

217.2591, 94.0916

0.0000

304.5641,
263.5933, 122.0212

0.0000, 0.0000,
0.0000

45.9119, 33.0971,
4.6304

45.9119, 33.0971,
4.6304

44.5206, 30.5170,
3.5439

48.0766, 36.8710,
7.0661

50.7963, 41.2993,
11.0896

54.1259, 46.4224,
16.9354

58.1118, 52.2746,
24.7981

62.7948, 58.8875,
34.8469

68.2122, 66.2903,
47.2328

74.3981, 74.5105,
62.0935

81.3844, 83.5743,
79.5555

89.2009, 93.5062,
99.7371

Harmonies

Analogous

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



56.4782, 33.0971, 14.5363



45.9119, 33.0971, 4.6304



33.1129, 33.0971, 2.3603

Triad

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



45.9119, 33.0971, 4.6304



13.8767, 33.0971, 31.5757



42.3808, 33.0971, 131.2297

Complementary

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



45.9119, 33.0971, 4.6304



28.9344, 29.8320, 94.6749

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.



29.8588, 33.0971, 146.7543



45.9119, 33.0971, 4.6304



15.1943, 33.0971, 72.2820

Square

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



45.9119, 33.0971, 4.6304



16.2180, 33.0971, 10.5606



20.4086, 33.0971, 120.5072



54.1088, 33.0971, 85.8921

Rectangle

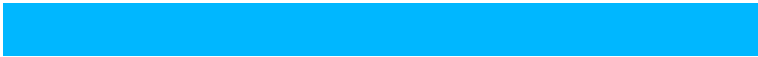
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9119, 33.0971, 4.6304



25.6755, 33.0971, 2.7537



20.4086, 33.0971, 120.5072



38.0490, 33.0971, 140.9713

Sweetspot

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



45.9126, 33.0989, 4.6310



73.8241, 72.6524, 55.2602



45.5210, 23.1630, 32.7171



15.2273, 14.7811, 10.4688



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.



45.9126, 33.0989, 4.6310



46.5552, 31.8904, 3.7017



68.0795, 77.4327, 12.0199



17.8463, 18.4284, 18.0788



23.7504, 16.4575, 1.9248



2.3020, 1.7289, 0.2124

Inverse Universe

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



28.9344, 29.8320, 94.6749



28.5538, 28.2277, 98.5513



18.2749, 8.5132, 91.1217



17.1167, 18.3102, 22.0174



14.6335, 14.6225, 50.0247



1.4602, 1.5641, 4.6681

Previews

White Background



This preview shows how the XYZ color 45.9119, 33.0971, 4.6304 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 45.9119, 33.0971, 4.6304 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 45.9119, 33.0971, 4.6304

Background



This preview shows how black text looks on a background with the XYZ color 45.9119, 33.0971, 4.6304.



This preview shows how white text looks on a background with the XYZ color 45.9119, 33.0971,

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

45.9119, 33.0971, 4.6304

Protanopia

30.2088, 33.4430, 6.1593

Tritanopia

49.1290, 33.0809, 20.3189

Trichromacy



Original Color

45.9119, 33.0971, 4.6304

Protanomaly

34.4994, 32.1216, 5.4187

Tritanomaly

47.4243, 32.8779, 11.6311

Monochromacy



Original Color

45.9119, 33.0971, 4.6304

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.7314, 28.4384, 15.9260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9119, 33.0971, 4.6304 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(250, 117, 20)` looks like.

```
.text, #text, p{  
    color:rgb(250, 117, 20)  
}
```

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(250, 117, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 117, 20) }
```

Border

The CSS property to change the border of an element to XYZ 45.9119, 33.0971, 4.6304 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(250, 117, 20) }
```

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

```
.border{ border-color:rgb(250, 117, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 117, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 117, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 117, 20);  
box-shadow:4px 4px 4px 4px rgb(250, 117,  
20) }
```


Background

The CSS property to change the background color of an element to XYZ 45.9119, 33.0971, 4.6304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 117, 20) }
```

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

```
.background{ background-color: rgb(250,  
117, 20) }
```

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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