

Converting Colors

XYZ(47.3491, 33.1888, 4.8589)

Have a look what the booklet for
XYZ(47.3491, 33.1888, 4.8589)
contains.

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Color

**XYZ(47.3316, 33.1448,
4.8802)**

Conversions

Conversions Part 1

Format	Color
Hex	FF711A
RGB	255, 113, 26
RGB Percent	100%, 44%, 10%
CMY	0.0000, 0.5568, 0.8980
CMYK	0.00, 0.56, 0.90, 0.00
HSL	23°, 100%, 55%
HSV	23°, 90%, 100%
XYZ	47.3316, 33.1448, 4.8802
YIQ	145.5400, 112.5590, 3.0470

Conversions

Conversions Part 2

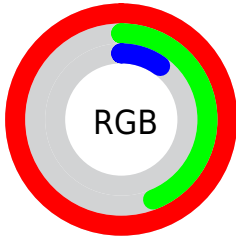
Format	Color
R_{YB}	255, 166, 26
Decimal	16740634
CIE _{Lab}	64.28, 50.29, 67.37
CIE _{LCh}	64, 84.068, 53.259
Yxy	33.1448, 0.5545, 0.3883
Android (android.graphics.Color)	4294930714 (0xFFFF711A)
YUV	145.5400, -58.9332, 95.9964
Hunter-Lab	57.5715, 46.0011, 35.2742

Details

The XYZ color **47.3316, 33.1448, 4.8802** 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 **32.4775, 35.4427, 99.7365**, and the grayscale version is **27.3357, 28.7593, 31.3189**.

A 20% lighter version of the original color is **56.7656, 49.8745, 14.6175**, and **22.7992, 14.0751, 1.5151** is the 20% darker color. If you saturate the color by 10%, you get **45.5354, 29.8469, 3.3755**, and if you desaturate by 10%, it is **49.6750, 37.1565, 7.7442**.

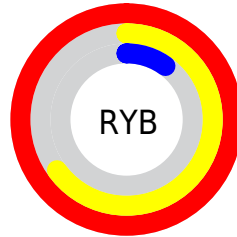
Distribution



Red (100%)

Green (44%)

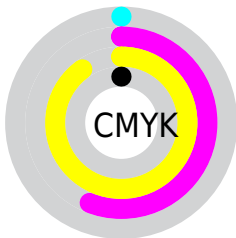
Blue (10%)



Red (100%)

Yellow (65%)

Blue (10%)

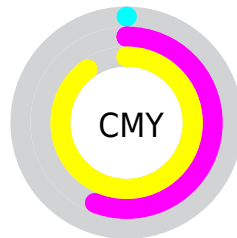


Cyan (0%)

Magenta (56%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3316, 33.1448, 4.8802 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 47.3316, 33.1448, 4.8802 by changing the saturation by 10% instead.


 47.3316, 33.1448,
4.8802


 47.3316, 33.1448,
4.8802

366.7634,
316.3017, 157.5570

 33.5069, 22.2374,
2.1196


 85.4241, 64.6015,
15.9937


 22.6762, 14.0314,
0.6274


 110.4227, 85.9196,
25.1836


 14.4739, 8.1425,
0.0000


 139.8766,
111.4768, 37.3538

 8.5349, 4.1863,
0.0000

 174.1511,
141.6574, 52.9228

 4.4938, 1.7783,
0.0000

 213.6117,
176.8457, 72.3091

 1.9851, 0.4736,
0.0000

 258.6238,

 0.6256, 0.0000,

217.4263, 95.9312

0.0000

309.5525,
263.7835, 124.2076

0.0000, 0.0000,
0.0000

47.3316, 33.1448,
4.8802

47.3316, 33.1448,
4.8802

45.5354, 29.8469,
3.3755

49.6750, 37.1565,
7.7442

45.5038, 29.7880,
3.3513

52.6486, 41.9341,
12.3410

56.3108, 47.5247,
18.9069

60.7115, 53.9690,
27.6404

65.8953, 61.3046,
38.7153

71.9027, 69.5666,
52.2875

78.7713, 78.7878,
68.4994

86.5362, 88.9994,
87.4827

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



57.6573, 33.1448, 15.8520



47.3316, 33.1448, 4.8802



34.2761, 33.1448, 2.2550

Triad

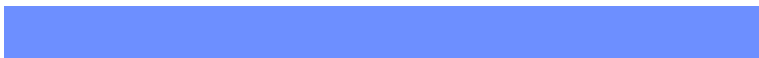
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.3316, 33.1448, 4.8802



13.7598, 33.1448, 28.9070



41.4678, 33.1448, 136.4878

Complementary

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



47.3316, 33.1448, 4.8802



32.4775, 35.4427, 99.7365

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.



28.8839, 33.1448, 148.7041



47.3316, 33.1448, 4.8802



14.7662, 33.1448, 68.7822

Square

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



47.3316, 33.1448, 4.8802



16.4530, 33.1448, 9.3133



19.6672, 33.1448, 118.5942



53.7177, 33.1448, 91.4503

Rectangle

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



47.3316, 33.1448, 4.8802



26.5250, 33.1448, 2.4657



19.6672, 33.1448, 118.5942



37.0681, 33.1448, 145.3924

Sweetspot

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



47.3323, 33.1467, 4.8807



73.7397, 72.0532, 56.5592



48.9631, 24.9404, 40.7785



15.3063, 14.7762, 10.9981



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.



47.3323, 33.1467, 4.8807



45.5041, 29.7882, 3.3514



68.2074, 74.8969, 11.8391



18.5750, 19.1181, 18.8555



23.9093, 15.8299, 1.7953



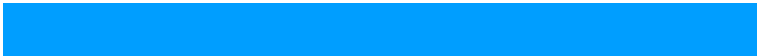
2.4293, 1.7441, 0.2086

Inverse Universe

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



32.4775, 35.4427, 99.7365



30.2964, 31.7128, 99.1321



19.9163, 10.3202, 95.5494



17.9412, 19.2539, 23.0207



15.9792, 16.8679, 51.8482



1.6613, 1.8533, 5.0834

Previews

White Background



This preview shows how the XYZ color 47.3316, 33.1448, 4.8802 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 47.3316, 33.1448, 4.8802 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 47.3316, 33.1448, 4.8802

Background



This preview shows how black text looks on a background with the XYZ color 47.3316, 33.1448, 4.8802.



This preview shows how white text looks on a background with the XYZ color 47.3316, 33.1448,

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

47.3316, 33.1448, 4.8802

Protanopia

30.2954, 33.4776, 6.6154

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.3316, 33.1448, 4.8802

Protanomaly

34.9762, 32.1387, 5.7988

Deuteranomaly

37.6267, 32.2531, 4.5008

Tritanomaly

48.3389, 33.0211, 11.8086

Monochromacy



Original Color

47.3316, 33.1448, 4.8802

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.1731, 28.4486, 16.4185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3316, 33.1448, 4.8802 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, 113, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 26)  
}
```

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, 113, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 26) }
```

Border

The CSS property to change the border of an element to XYZ 47.3316, 33.1448, 4.8802 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, 113, 26) }
```


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

```
.border{ border-color:rgb(255, 113, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3316, 33.1448, 4.8802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 26) }
```

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

```
.background{ background-color: rgb(255,  
113, 26) }
```

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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