

Converting Colors

XYZ(47.4385, 33.4888, 4.5148)

Have a look what the booklet for
XYZ(47.4385, 33.4888, 4.5148)
contains.

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Color

**XYZ(47.4799, 33.5651,
4.5485)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7312
RGB	255, 115, 18
RGB Percent	100%, 45%, 7%
CMY	0.0000, 0.5490, 0.9294
CMYK	0.00, 0.55, 0.93, 0.00
HSL	25°, 100%, 54%
HSV	25°, 93%, 100%
XYZ	47.4799, 33.5651, 4.5485
YIQ	145.8020, 114.5770, -0.4870

Conversions

Conversions Part 2

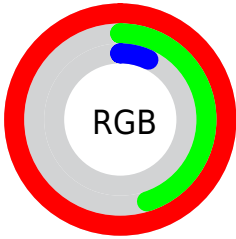
Format	Color
R _Y B	255, 182, 18
Decimal	16741138
CIE Lab	64.62, 49.25, 69.60
CIE LCh	65, 85.258, 54.717
Yxy	33.5651, 0.5547, 0.3921
Android (android.graphics.Color)	4294931218 (0xFFFF7312)
YUV	145.8020, -63.0064, 95.7666
Hunter-Lab	57.9354, 44.8995, 35.8999

Details

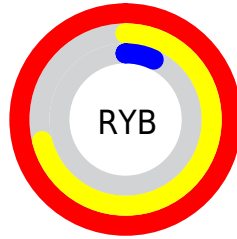
The XYZ color **47.4799, 33.5651, 4.5485** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **30.5255, 31.8008, 99.1363**, and the grayscale version is **27.4589, 28.8889, 31.4600**.

A 20% lighter version of the original color is **56.9899, 50.5595, 13.9630**, and **22.9039, 14.2846, 1.5500** is the 20% darker color. If you saturate the color by 10%, you get **46.2276, 31.2358, 3.5926**, and if you desaturate by 10%, it is **49.6772, 37.4222, 6.9393**.

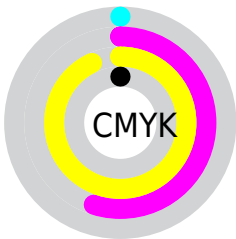
Distribution



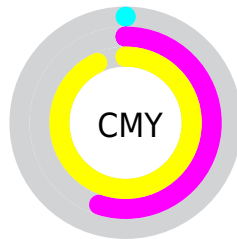
- Red (100%)
- Green (45%)
- Blue (7%)



- Red (100%)
- Yellow (71%)
- Blue (7%)



- Cyan (0%)
- Magenta (55%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4799, 33.5651, 4.5485 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 47.4799, 33.5651, 4.5485 by changing the saturation by 10% instead.


 47.4799, 33.5651,
4.5485


 47.4799, 33.5651,
4.5485


367.3438,
318.1885, 154.1397


 33.6247, 22.5597,
1.9308


 85.6439, 65.2568,
15.2562

 22.7670, 14.2687,
0.5122


 110.6835, 86.7119,
24.1833


 14.5413, 8.3078,
0.0000


 140.1819,
112.4190, 36.0507

 8.5823, 4.2925,
0.0000

 174.5044,
142.7625, 51.2768

 4.5247, 1.8385,
0.0000

 214.0166,
178.1268, 70.2802

 2.0030, 0.5110,
0.0000

 259.0836,


 0.6357, 0.0000,


218.8963, 93.4795


0.0000


 310.0709,
265.4554, 121.2931


 0.0000, 0.0000,
0.0000

 47.4799, 33.5651,
4.5485


 47.4799, 33.5651,
4.5485

 46.2276, 31.2358,
3.5926

 49.6772, 37.4222,
6.9393

 52.4599, 41.9813,
10.9693

 55.8877, 47.2869,
16.8905

 60.0106, 53.3769,
24.9107

 64.8727, 60.2862,
35.2098

70.5141, 68.0470,
47.9482

76.9717, 76.6896,
63.2719

84.2795, 86.2428,
81.3148

92.4697, 96.7337,
102.2020

Harmonies

Analogous

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



58.3418, 33.5651, 15.0216



47.4799, 33.5651, 4.5485



34.1140, 33.5651, 2.1547

Triad

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



47.4799, 33.5651, 4.5485



13.7671, 33.5651, 30.6975



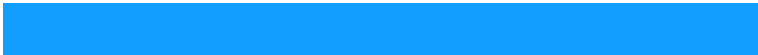
42.7635, 33.5651, 138.0017

Complementary

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



47.4799, 33.5651, 4.5485



30.5255, 31.8008, 99.1363

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.



29.7889, 33.5651, 152.7458



47.4799, 33.5651, 4.5485



14.9723, 33.5651, 72.4970

Square

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



47.4799, 33.5651, 4.5485



16.3164, 33.5651, 9.8383



20.1701, 33.5651, 123.5239



55.1677, 33.5651, 90.7825

Rectangle

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



47.4799, 33.5651, 4.5485



26.3010, 33.5651, 2.4589



20.1701, 33.5651, 123.5239



38.2479, 33.5651, 147.8161

Sweetspot

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



47.4806, 33.5670, 4.5491



73.6000, 72.2043, 55.1855



47.8189, 24.2377, 35.5082



15.1741, 14.6748, 10.4511



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.



47.4806, 33.5670, 4.5491



46.2280, 31.2360, 3.5927



70.0088, 78.6233, 12.0584



18.6199, 19.2080, 18.8705



24.2931, 16.5975, 1.9232



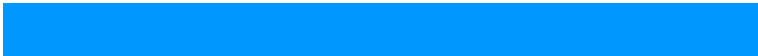
2.4696, 1.8246, 0.2220

Inverse Universe

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



30.5255, 31.8008, 99.1363



29.0566, 29.2331, 98.7189



19.1169, 8.9836, 95.3334



17.8950, 19.1615, 23.0053



15.3333, 15.5761, 51.6329



1.6005, 1.7317, 5.0632

Previews

White Background



This preview shows how the XYZ color 47.4799, 33.5651, 4.5485 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 47.4799, 33.5651, 4.5485 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 47.4799, 33.5651, 4.5485

Background



This preview shows how black text looks on a background with the XYZ color 47.4799, 33.5651, 4.5485.



This preview shows how white text looks on a background with the XYZ color 47.4799, 33.5651,

4.5485.

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

47.4799, 33.5651, 4.5485

Protanopia

30.6056, 33.8998, 6.2265

Deuteranopia

34.0361, 33.5007, 4.6724



Tritanopia

49.9683, 33.6728, 20.3889

Trichromacy



Original Color

47.4799, 33.5651, 4.5485

Protanomaly

35.0363, 32.3997, 5.3844

Deuteranomaly

38.1974, 32.9667, 4.5510

Tritanomaly

48.4821, 33.4275, 11.4863

Monochromacy



Original Color

47.4799, 33.5651, 4.5485

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.1658, 28.6679, 15.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4799, 33.5651, 4.5485 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, 115, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 18)  
}
```

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, 115, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 18) }
```

Border

The CSS property to change the border of an element to XYZ 47.4799, 33.5651, 4.5485 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, 115, 18) }
```


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

```
.border{ border-color:rgb(255, 115, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4799, 33.5651, 4.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 18) }
```

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

```
.background{ background-color: rgb(255,  
115, 18) }
```

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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