

Converting Colors

XYZ(66.7107, 43.2769, 6.7715)

Have a look what the booklet for
XYZ(66.7107, 43.2769, 6.7715)
contains.

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Color

**XYZ(47.6235, 33.4411,
5.8642)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7227
RGB	255, 114, 39
RGB Percent	100%, 45%, 15%
CMY	0.0000, 0.5529, 0.8470
CMYK	0.00, 0.55, 0.85, 0.00
HSL	21°, 100%, 58%
HSV	21°, 85%, 100%
XYZ	47.6235, 33.4411, 5.8642
YIQ	147.6090, 108.1110, 6.5670

Conversions

Conversions Part 2

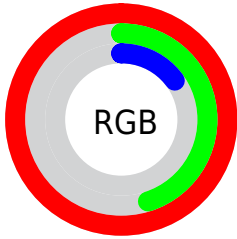
Format	Color
R_{YB}	255, 154, 39
Decimal	16740903
CIE Lab	64.52, 50.07, 63.29
CIE LCh	65, 80.706, 51.650
Yxy	33.4411, 0.5478, 0.3847
Android (android.graphics.Color)	4294930983 (0xFFFF7227)
YUV	147.6090, -53.5442, 94.1819
Hunter-Lab	57.8283, 45.8012, 34.4674

Details

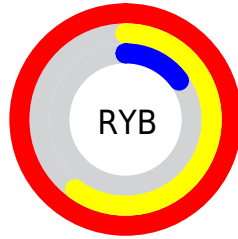
The XYZ color **47.6235, 33.4411, 5.8642** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **35.2065, 40.2909, 100.5283**, and the grayscale version is **28.1710, 29.6381, 32.2759**.

A 20% lighter version of the original color is **57.3597, 50.4086, 16.8319**, and **22.8511, 14.1789, 1.5324** is the 20% darker color. If you saturate the color by 10%, you get **45.6240, 29.9070, 3.7660**, and if you desaturate by 10%, it is **50.2493, 37.7755, 9.5688**.

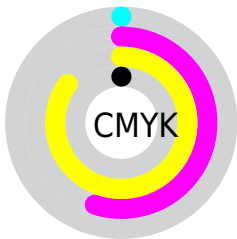
Distribution



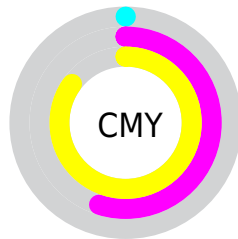
- Red (100%)
- Green (45%)
- Blue (15%)



- Red (100%)
- Yellow (60%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6235, 33.4411, 5.8642 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 47.6235, 33.4411, 5.8642 by changing the saturation by 10% instead.


 47.6235, 33.4411,
5.8642


 47.6235, 33.4411,
5.8642


367.9053,
317.6327, 167.1168

 33.7388, 22.4646,
2.6952


 85.8567, 65.0636,
18.1211

 22.8550, 14.1987,
0.9410


 110.9359, 86.4783,
28.0462


 14.6066, 8.2590,
0.0000


 140.4773,
112.1413, 41.0604

 8.6282, 4.2611,
0.0000

 174.8463,
142.4368, 57.5822

 4.5547, 1.8207,
0.0000

 214.4083,
177.7493, 78.0302

 2.0205, 0.5000,
0.0000

 259.5285,

 0.6454, 0.0000,

218.4632, 102.8229

0.0000

310.5724,
264.9629, 132.3789

■ 0.0000, 0.0000,
0.0000

■ 47.6235, 33.4411,
5.8642

■ 47.6235, 33.4411,
5.8642

■ 45.6240, 29.9070,
3.7660

■ 50.2493, 37.7755,
9.5688

■ 44.7747, 28.3300,
3.1083

■ 53.5655, 42.9585,
15.1420

■ 57.6285, 49.0400,
22.8000

■ 62.4879, 56.0636,
32.7281

■ 68.1881, 64.0700,
45.0913

74.7701, 73.0972,
60.0388

82.2721, 83.1810,
77.7079

90.7298, 94.3554,
98.2260

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



57.1702, 33.4411, 17.6480



47.6235, 33.4411, 5.8642



35.1147, 33.4411, 2.7912

Triad

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



47.6235, 33.4411, 5.8642



14.5062, 33.4411, 27.9465



40.6877, 33.4411, 133.0757

Complementary

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



47.6235, 33.4411, 5.8642



35.2065, 40.2909, 100.5283

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.



28.6723, 33.4411, 142.3145



47.6235, 33.4411, 5.8642



15.3086, 33.4411, 65.2262

Square

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



47.6235, 33.4411, 5.8642



17.3735, 33.4411, 9.5133



19.9162, 33.4411, 112.3727



52.5389, 33.4411, 91.7359

Rectangle

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



47.6235, 33.4411, 5.8642



27.5139, 33.4411, 2.9074



19.9162, 33.4411, 112.3727



36.4762, 33.4411, 140.7442

Sweetspot

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



47.6242, 33.4430, 5.8648



74.5634, 72.8164, 59.5596



50.5125, 26.1299, 47.1812



15.4446, 14.8838, 11.5652



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.



47.6242, 33.4430, 5.8648



44.7751, 28.3302, 3.1084



66.9373, 72.0692, 12.3025



18.5252, 19.0185, 18.8389



23.5212, 15.0537, 1.6659



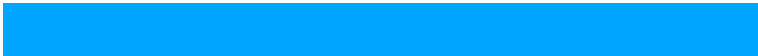
2.3877, 1.6607, 0.1947

Inverse Universe

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



35.2065, 40.2909, 100.5283



31.7681, 34.6561, 99.6227



21.4029, 12.6838, 95.9271



17.9928, 19.3572, 23.0379



16.7445, 18.3986, 52.1033



1.7326, 1.9959, 5.1072

Previews

White Background



This preview shows how the XYZ color 47.6235, 33.4411, 5.8642 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 47.6235, 33.4411, 5.8642 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 47.6235, 33.4411, 5.8642

Background



This preview shows how black text looks on a background with the XYZ color 47.6235, 33.4411, 5.8642.



This preview shows how white text looks on a background with the XYZ color 47.6235, 33.4411,

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

47.6235, 33.4411, 5.8642

Protanopia

30.5372, 33.5743, 7.8886

Deuteranopia

34.1715, 33.5548, 5.3852



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

47.6235, 33.4411, 5.8642

Protanomaly

35.1949, 32.2261, 6.9501

Deuteranomaly

38.2272, 32.7522, 5.4056

Tritanomaly

48.6859, 33.3335, 13.1005

Monochromacy



Original Color

47.6235, 33.4411, 5.8642

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.0045, 29.2558, 18.1475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6235, 33.4411, 5.8642 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 39) }
```

Border

The CSS property to change the border of an element to XYZ 47.6235, 33.4411, 5.8642 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, 39) }
```


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

```
.border{ border-color:rgb(255, 114, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6235, 33.4411, 5.8642 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, 39) }
```

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

```
.background{ background-color: rgb(255,  
114, 39) }
```

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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