

Converting Colors

XYZ(47.3969, 33.1155, 5.3949)

Have a look what the booklet for
XYZ(47.3969, 33.1155, 5.3949)
contains.

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Color

**XYZ(47.4339, 33.1857,
5.4188)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7122 |
| RGB | 255, 113, 34 |
| RGB Percent | 100%, 44%, 13% |
| CMY | 0.0000, 0.5568, 0.8667 |
| CMYK | 0.00, 0.56, 0.87, 0.00 |
| HSL | 21°, 100%, 57% |
| HSV | 21°, 87%, 100% |
| XYZ | 47.4339, 33.1857, 5.4188 |
| YIQ | 146.4520, 109.9910, 5.5350 |

Conversions

Conversions Part 2

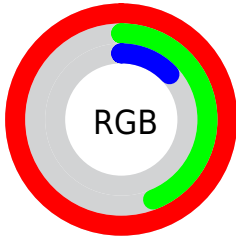
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 157, 34 |
| Decimal | 16740642 |
| CIE Lab | 64.31, 50.43, 64.90 |
| CIE LCh | 64, 82.193, 52.150 |
| Yxy | 33.1857, 0.5513, 0.3857 |
| Android (android.graphics.Color) | 4294930722 (0xFFFF7122) |
| YUV | 146.4520, -55.4388, 95.1966 |
| Hunter-Lab | 57.6070, 46.1654, 34.7478 |

Details

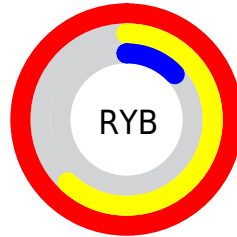
The XYZ color **47.4339, 33.1857, 5.4188** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **34.2338, 38.6082, 100.2550**, and the grayscale version is **27.6978, 29.1402, 31.7337**.

A 20% lighter version of the original color is **57.0041, 49.9698, 15.8732**, and **22.7992, 14.0751, 1.5151** is the 20% darker color. If you saturate the color by 10%, you get **45.5265, 29.7587, 3.5887**, and if you desaturate by 10%, it is **49.9443, 37.3850, 8.7900**.

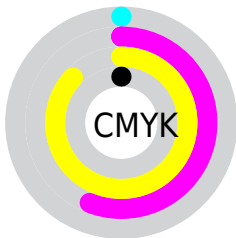
Distribution



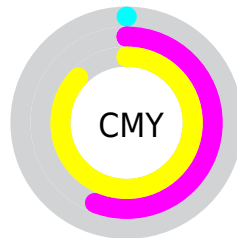
- Red (100%)
- Green (44%)
- Blue (13%)



- Red (100%)
- Yellow (62%)
- Blue (13%)



- Cyan (0%)
- Magenta (56%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4339, 33.1857, 5.4188 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 47.4339, 33.1857, 5.4188 by changing the saturation by 10% instead.


 47.4339, 33.1857,
5.4188


 47.4339, 33.1857,
5.4188

367.1639,
316.4857, 162.8876

 33.5882, 22.2687,
2.4320


 85.5757, 64.6653,
17.1684

 22.7388, 14.0545,
0.8038


 110.6026, 85.9968,
26.7684


 14.5204, 8.1586,
0.0000


 140.0872,
111.5686, 39.4097

 8.5676, 4.1966,
0.0000

 174.3949,
141.7650, 55.5111

 4.5151, 1.7841,
0.0000

 213.8910,
176.9706, 75.4911

 1.9975, 0.4773,
0.0000

 258.9410,

 0.6325, 0.0000,

217.5696, 99.7681

0.0000

309.9102,
263.9465, 128.7607

■ 0.0000, 0.0000,
0.0000

■ 47.4339, 33.1857,
5.4188

■ 47.4339, 33.1857,
5.4188

■ 45.5265, 29.7587,
3.5887

■ 49.9443, 37.3850,
8.7900

■ 44.9947, 28.7697,
3.1816

■ 53.1240, 42.4046,
13.9799

■ 57.0302, 48.2937,
21.2115

■ 61.7127, 55.0951,
30.6753

■ 67.2161, 62.8486,
42.5393

73.5813, 71.5912,
56.9554

80.8465, 81.3579,
74.0627

89.0471, 92.1818,
93.9903

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



57.2631, 33.1857, 16.8975



47.4339, 33.1857, 5.4188



34.7111, 33.1857, 2.5265

Triad

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



47.4339, 33.1857, 5.4188



14.1096, 33.1857, 28.0388



40.7941, 33.1857, 134.4997

Complementary

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



47.4339, 33.1857, 5.4188



34.2338, 38.6082, 100.2550

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.



28.5720, 33.1857, 144.7052



47.4339, 33.1857, 5.4188



14.9734, 33.1857, 66.2290

Square

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



47.4339, 33.1857, 5.4188



16.9194, 33.1857, 9.2860



19.6670, 33.1857, 114.4775



52.8169, 33.1857, 91.7413

Rectangle

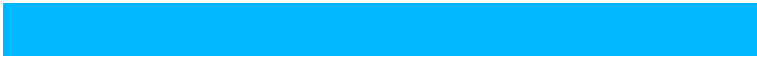
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4339, 33.1857, 5.4188



27.0455, 33.1857, 2.6715



19.6670, 33.1857, 114.4775



36.5112, 33.1857, 142.6009

Sweetspot

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



47.4346, 33.1876, 5.4193



74.0369, 72.2094, 58.0092



49.8127, 25.6044, 44.2525



15.3492, 14.7781, 11.2706



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.



47.4346, 33.1876, 5.4193



44.9949, 28.7699, 3.1816



67.6100, 73.5382, 12.1445



18.5408, 19.0497, 18.8441



23.6384, 15.2881, 1.7050



2.4004, 1.6861, 0.1989

Inverse Universe

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



34.2338, 38.6082, 100.2550



31.2965, 33.7130, 99.4655



20.7259, 11.5925, 95.7524



17.9766, 19.3248, 23.0325



16.4994, 17.9084, 52.0216



1.7099, 1.9504, 5.0996

Previews

White Background



This preview shows how the XYZ color 47.4339, 33.1857, 5.4188 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 47.4339, 33.1857, 5.4188 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 47.4339, 33.1857, 5.4188

Background



This preview shows how black text looks on a background with the XYZ color 47.4339, 33.1857, 5.4188.



This preview shows how white text looks on a background with the XYZ color 47.4339, 33.1857,

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

47.4339, 33.1857, 5.4188

Protanopia

30.2098, 33.4174, 7.3406

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.4339, 33.1857, 5.4188

Protanomaly

34.8270, 32.0472, 6.4480

Deuteranomaly

37.9438, 32.4146, 4.6046

Tritanomaly

48.4556, 33.0677, 12.4231

Monochromacy



Original Color

47.4339, 33.1857, 5.4188

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.3246, 28.5092, 17.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4339, 33.1857, 5.4188 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 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(255, 113, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 34) }
```

Border

The CSS property to change the border of an element to XYZ 47.4339, 33.1857, 5.4188 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, 34) }
```


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

```
.border{ border-color:rgb(255, 113, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4339, 33.1857, 5.4188 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, 34) }
```

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

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