

Converting Colors

XYZ(47.4458, 33.6716, 3.9986)

Have a look what the booklet for
XYZ(47.4458, 33.6716, 3.9986)
contains.

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Color

**XYZ(47.4854, 33.7508,
4.0118)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7400
RGB	255, 116, 0
RGB Percent	100%, 45%, 0%
CMY	0.0000, 0.5451, 1.0000
CMYK	0.00, 0.55, 1.00, 0.00
HSL	27°, 100%, 50%
HSV	27°, 100%, 100%
XYZ	47.4854, 33.7508, 4.0118
YIQ	144.3370, 120.0800, -6.6080

Conversions

Conversions Part 2

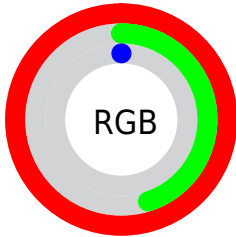
Format	Color
R_{YB}	255, 213, 0
Decimal	16741376
CIE _{Lab}	64.76, 48.62, 72.70
CIE _{LCh}	65, 87.459, 56.224
Yxy	33.7508, 0.5570, 0.3959
Android (android.graphics.Color)	4294931456 (0xFFFF7400)
YUV	144.3370, -71.1581, 97.0515
Hunter-Lab	58.0954, 44.2333, 36.5725

Details

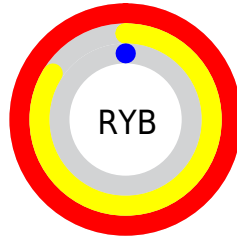
The XYZ color **47.4854, 33.7508, 4.0118** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.2823, 25.6847, 98.1267**, and the grayscale version is **26.8913, 28.2918, 30.8097**.

A 20% lighter version of the original color is **56.9402, 50.8408, 12.7734**, and **23.0127, 14.5022, 1.5863** is the 20% darker color. If you saturate the color by 10%, you get **47.4856, 33.7517, 4.0120**, and if you desaturate by 10%, it is **49.3911, 37.2731, 5.5399**.

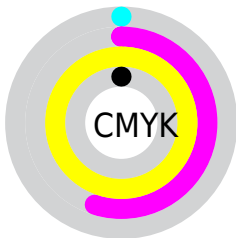
Distribution



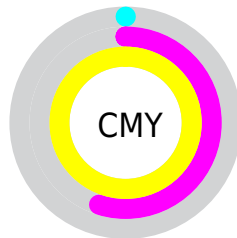
- Red (100%)
- Green (45%)
- Blue (0%)



- Red (100%)
- Yellow (84%)
- Blue (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4854, 33.7508, 4.0118 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 47.4854, 33.7508, 4.0118 by changing the saturation by 10% instead.


 47.4854, 33.7508,
4.0118


 47.4854, 33.7508,
4.0118


367.3654,
319.0194, 148.3564


 33.6291, 22.7022,
1.6318


 85.6521, 65.5460,
14.0370

 22.7703, 14.3738,
0.3134


 110.6931, 87.0613,
22.5192


 14.5438, 8.3811,
0.0000


 140.1932,
112.8344, 33.8727

 8.5841, 4.3398,
0.0000

 174.5175,
143.2496, 48.5158

 4.5258, 1.8654,
0.0000

 214.0316,
178.6913, 66.8672


 2.0037, 0.5274,
0.0000

 259.1007,


 0.6360, 0.0000,


219.5439, 89.3455


0.0000


 310.0901,
266.1918, 116.3690


 0.0000, 0.0000,
0.0000


 47.4854, 33.7508,
4.0118


 47.4854, 33.7508,
4.0118

 47.4856, 33.7517,
4.0120

 49.3911, 37.2731,
5.5399

 51.7816, 41.3873,
8.3922

 54.7389, 46.1427,
12.9518

 58.3161, 51.5749,
19.4537

 62.5587, 57.7155,
28.0956

67.5069, 64.5938,
39.0501

73.1977, 72.2368,
52.4723

79.6647, 80.6700,
68.5035

86.9396, 89.9176,
87.2743

Harmonies

Analogous

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



59.0237, 33.7508, 13.8577



47.4854, 33.7508, 4.0118



33.6978, 33.7508, 1.9115

Triad

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



47.4854, 33.7508, 4.0118



13.4963, 33.7508, 32.3750



43.9929, 33.7508, 140.4362

Complementary

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



47.4854, 33.7508, 4.0118



27.2823, 25.6847, 98.1267

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.



30.5132, 33.7508, 158.1892



47.4854, 33.7508, 4.0118



14.9108, 33.7508, 76.6240

Square

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



47.4854, 33.7508, 4.0118



15.8868, 33.7508, 10.1306



20.4276, 33.7508, 129.5828



56.6651, 33.7508, 90.2505

Rectangle

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



47.4854, 33.7508, 4.0118



25.7870, 33.7508, 2.2983



20.4276, 33.7508, 129.5828



39.3196, 33.7508, 151.3897

Sweetspot

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



47.4861, 33.7527, 4.0124



73.1963, 72.2348, 52.4680



45.9921, 23.1609, 26.9554



15.1336, 14.7512, 9.9527



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.



47.4861, 33.7527, 4.0124



47.4860, 33.7519, 4.0120



73.0662, 84.9127, 12.5390



18.6900, 19.3483, 18.8938



24.9573, 17.9258, 2.1446



2.5375, 1.9604, 0.2447

Inverse Universe

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



27.2823, 25.6847, 98.1267



27.2819, 25.6838, 98.1273



18.1908, 7.5017, 95.0962



17.8236, 19.0187, 22.9815



14.4067, 13.7229, 51.3241



1.5120, 1.5547, 5.0337

Previews

White Background



This preview shows how the XYZ color 47.4854, 33.7508, 4.0118 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 47.4854, 33.7508, 4.0118 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 47.4854, 33.7508, 4.0118

Background



This preview shows how black text looks on a background with the XYZ color 47.4854, 33.7508, 4.0118.



This preview shows how white text looks on a background with the XYZ color 47.4854, 33.7508,

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

47.4854, 33.7508, 4.0118

Protanopia

30.7518, 33.9846, 5.8031

Deuteranopia

34.4595, 33.9548, 4.7377



Tritanopia

50.0268, 33.6962, 20.6969

Trichromacy



Original Color

47.4854, 33.7508, 4.0118

Protanomaly

35.3623, 32.8012, 4.9194

Deuteranomaly

38.3019, 33.2370, 4.3967

Tritanomaly

48.2702, 33.3428, 10.3702

Monochromacy



Original Color

47.4854, 33.7508, 4.0118

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.2240, 28.0132, 13.9393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4854, 33.7508, 4.0118 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 0)  
}
```

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, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.4854, 33.7508, 4.0118 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, 116, 0) }
```


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

```
.border{ border-color:rgb(255, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4854, 33.7508, 4.0118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 0) }
```

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

```
.background{ background-color: rgb(255,  
116, 0) }
```

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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