

Converting Colors

XYZ(107.5308, 66.0106, 7.2849)

Have a look what the booklet for
XYZ(107.5308, 66.0106, 7.2849)
contains.

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Color

**XYZ(48.3613, 35.4413,
4.4929)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7B07
RGB	255, 123, 7
RGB Percent	100%, 48%, 3%
CMY	0.0000, 0.5176, 0.9725
CMYK	0.00, 0.52, 0.97, 0.00
HSL	28°, 100%, 51%
HSV	28°, 97%, 100%
XYZ	48.3613, 35.4413, 4.4929
YIQ	149.2440, 115.9080, -8.0920

Conversions

Conversions Part 2

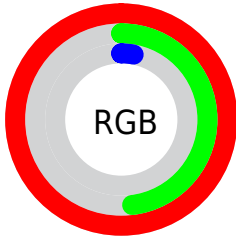
Format	Color
RYB	255, 225, 7
Decimal	16743175
CIELab	66.09, 45.33, 72.42
CIELCh	66, 85.440, 57.958
Yxy	35.4413, 0.5477, 0.4014
Android (android.graphics.Color)	4294933255 (0xFFFF7B07)
YUV	149.2440, -70.1263, 92.7480
Hunter-Lab	59.5326, 40.8224, 37.1982

Details

The XYZ color **48.3613, 35.4413, 4.4929** 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 **27.3698, 25.7297, 98.1307**, and the grayscale version is **28.9236, 30.4299, 33.1382**.

A 20% lighter version of the original color is **58.3964, 53.5952, 13.7456**, and **23.4254, 15.3275, 1.7238** is the 20% darker color. If you saturate the color by 10%, you get **47.8697, 34.5200, 4.1400**, and if you desaturate by 10%, it is **50.3935, 39.1392, 6.3015**.

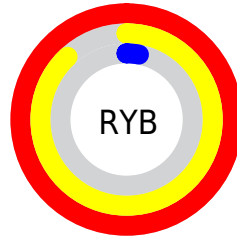
Distribution



Red (100%)

Green (48%)

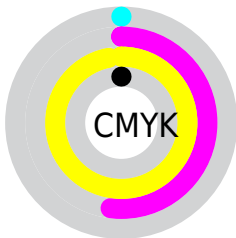
Blue (3%)



Red (100%)

Yellow (88%)

Blue (3%)

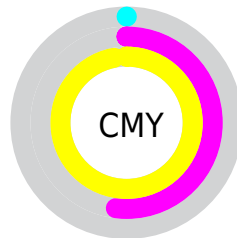


Cyan (0%)

Magenta (52%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3613, 35.4413, 4.4929 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 48.3613, 35.4413, 4.4929 by changing the saturation by 10% instead.


 48.3613, 35.4413,
4.4929


 48.3613, 35.4413,
4.4929


370.7812,
326.5119, 153.5558


 34.3255, 24.0030,
1.8995


 86.9485, 68.1689,
15.1315


 23.3079, 15.3359,
0.4924


 112.2307, 90.2269,
24.0137


 14.9429, 9.0554,
0.0000


 141.9924,
116.5937, 35.8292

 8.8654, 4.7774,
0.0000

 176.5990,
147.6535, 50.9966

 4.7099, 2.1172,
0.0000

 216.4159,
183.7909, 69.9344


 2.1111, 0.6743,
0.0000

 261.8083,


 0.6952, 0.0000,


225.3902, 93.0612


0.0000


 313.1416,
272.8357, 120.7955


 0.0000, 0.0000,
0.0000


 48.3613, 35.4413,
4.4929


 48.3613, 35.4413,
4.4929


 47.8697, 34.5200,
4.1400

 50.3935, 39.1392,
6.3015

 52.9343, 43.4268,
9.5962

 56.0469, 48.3447,
14.6641

 59.7811, 53.9257,
21.7279

 64.1803, 60.1996,
30.9771

69.2832, 67.1936,
42.5789

75.1249, 74.9334,
56.6840

81.7382, 83.4429,
73.4304

89.1535, 92.7451,
92.9460

Harmonies

Analogous

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



60.1637, 35.4413, 14.2234



48.3613, 35.4413, 4.4929



34.5628, 35.4413, 2.4095

Triad

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



48.3613, 35.4413, 4.4929



14.7109, 35.4413, 36.1528



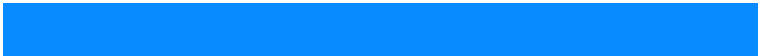
46.4701, 35.4413, 139.0828

Complementary

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



48.3613, 35.4413, 4.4929



27.3698, 25.7297, 98.1307

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.



32.8240, 35.4413, 159.0366



48.3613, 35.4413, 4.4929



16.4022, 35.4413, 81.5011

Square

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



48.3613, 35.4413, 4.4929



16.9462, 35.4413, 12.1196



22.3274, 35.4413, 133.3115



58.8930, 35.4413, 88.8083

Rectangle

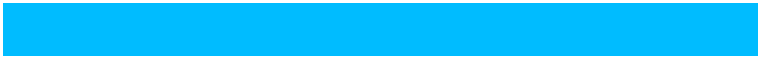
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3613, 35.4413, 4.4929



26.7085, 35.4413, 2.9780



22.3274, 35.4413, 133.3115



41.7836, 35.4413, 150.5543

Sweetspot

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



48.3621, 35.4433, 4.4935



74.0496, 73.5263, 54.0321



45.9956, 23.2839, 26.5995



15.3086, 15.0233, 10.2513



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.



48.3621, 35.4433, 4.4935



47.8702, 34.5203, 4.1401



74.4571, 87.6333, 13.1918



18.7099, 19.3879, 18.9005



25.1595, 18.3303, 2.2121



2.5579, 2.0011, 0.2514

Inverse Universe

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



27.3698, 25.7297, 98.1307



26.8148, 24.7496, 97.9716



18.3123, 7.6146, 95.1115



17.8035, 18.9787, 22.9749



14.1623, 13.2342, 51.2426



1.4883, 1.5074, 5.0258

Previews

White Background



This preview shows how the XYZ color 48.3613, 35.4413, 4.4929 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 48.3613, 35.4413, 4.4929 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 48.3613, 35.4413, 4.4929

Background



This preview shows how black text looks on a background with the XYZ color 48.3613, 35.4413, 4.4929.



This preview shows how white text looks on a background with the XYZ color 48.3613, 35.4413,

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

48.3613, 35.4413, 4.4929

Protanopia

32.2011, 35.5008, 6.0193

Deuteranopia

36.0198, 35.4790, 4.9497



Tritanopia

51.2394, 35.4378, 23.2084

Trichromacy



Original Color

48.3613, 35.4413, 4.4929

Protanomaly

36.8374, 34.4664, 5.2834

Deuteranomaly

39.8136, 34.8822, 4.7207

Tritanomaly

49.3220, 35.0477, 11.9499

Monochromacy



Original Color

48.3613, 35.4413, 4.4929

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.2748, 30.3106, 15.4587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3613, 35.4413, 4.4929 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, 123, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 7)  
}
```

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, 123, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 7) }
```

Border

The CSS property to change the border of an element to XYZ 48.3613, 35.4413, 4.4929 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, 123, 7) }
```


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

```
.border{ border-color:rgb(255, 123, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3613, 35.4413, 4.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 7) }
```

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

```
.background{ background-color: rgb(255,  
123, 7) }
```

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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