

Converting Colors

XYZ(48.3586, 35.4524, 4.4407)

Have a look what the booklet for
XYZ(48.3586, 35.4524, 4.4407)
contains.

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Color

**XYZ(48.3504, 35.4369,
4.4352)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7B05
RGB	255, 123, 5
RGB Percent	100%, 48%, 2%
CMY	0.0000, 0.5176, 0.9804
CMYK	0.00, 0.52, 0.98, 0.00
HSL	28°, 100%, 51%
HSV	28°, 98%, 100%
XYZ	48.3504, 35.4369, 4.4352
YIQ	149.0160, 116.5500, -8.7140

Conversions

Conversions Part 2

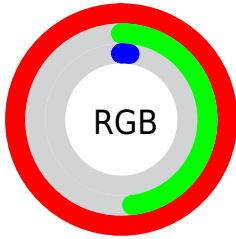
Format	Color
R_{YB}	255, 228, 5
Decimal	16743173
CIE Lab	66.09, 45.31, 72.72
CIE LCh	66, 85.679, 58.070
Yxy	35.4369, 0.5481, 0.4017
Android (android.graphics.Color)	4294933253 (0xFFFF7B05)
YUV	149.0160, -70.9999, 92.9480
Hunter-Lab	59.5289, 40.8052, 37.2528

Details

The XYZ color **48.3504, 35.4369, 4.4352** 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 **27.0580, 25.1431, 98.0341**, and the grayscale version is **28.8305, 30.3319, 33.0315**.

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 **48.0001, 34.7807, 4.1835**, and if you desaturate by 10%, it is **50.3514, 39.0978, 6.1554**.

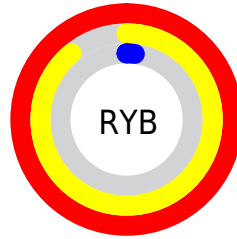
Distribution



Red (100%)

Green (48%)

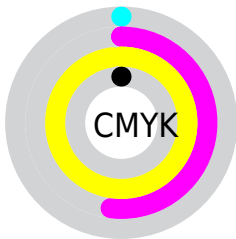
Blue (2%)



Red (100%)

Yellow (89%)

Blue (2%)

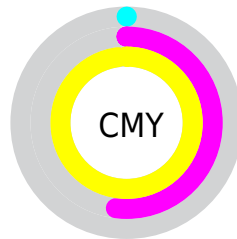


Cyan (0%)

Magenta (52%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3504, 35.4369, 4.4352 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 48.3504, 35.4369, 4.4352 by changing the saturation by 10% instead.


 48.3504, 35.4369,
4.4352


 48.3504, 35.4369,
4.4352


370.7389,
326.4926, 152.9463


 34.3169, 23.9996,
1.8670


 86.9324, 68.1620,
15.0016

 23.3012, 15.3333,
0.4716


 112.2116, 90.2187,
23.8370

 14.9380, 9.0537,
0.0000


 141.9701,
116.5839, 35.5984

 8.8619, 4.7762,
0.0000

 176.5732,
147.6421, 50.7045

 4.7076, 2.1166,
0.0000

 216.3863,
183.7777, 69.5738


 2.1097, 0.6739,
0.0000

 261.7747,


 0.6945, 0.0000,


225.3751, 92.6248


0.0000


 313.1037,
272.8185, 120.2762


 0.0000, 0.0000,
0.0000


 48.3504, 35.4369,
4.4352


 48.3504, 35.4369,
4.4352

 48.0001, 34.7807,
4.1835

 50.3514, 39.0978,
6.1554

 52.8498, 43.3376,
9.3218

 55.9122, 48.1979,
14.2409

 59.5889, 53.7115,
21.1386

 63.9235, 59.9080,
30.2065

68.9547, 66.8144,
41.6132

74.7179, 74.4560,
55.5104

81.2458, 82.8568,
72.0370

88.5687, 92.0391,
91.3216

Harmonies

Analogous

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



60.2132, 35.4369, 14.1119



48.3504, 35.4369, 4.4352



34.5124, 35.4369, 2.3774

Triad

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



48.3504, 35.4369, 4.4352



14.6683, 35.4369, 36.2728



46.5570, 35.4369, 139.3261

Complementary

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



48.3504, 35.4369, 4.4352



27.0580, 25.1431, 98.0341

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.



32.8645, 35.4369, 159.5390



48.3504, 35.4369, 4.4352



16.3763, 35.4369, 81.8437

Square

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



48.3504, 35.4369, 4.4352



16.8910, 35.4369, 12.1232



22.3276, 35.4369, 133.8457



59.0077, 35.4369, 88.7780

Rectangle

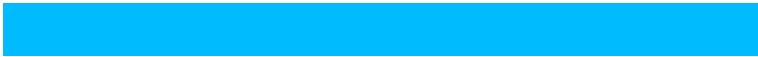
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3504, 35.4369, 4.4352



26.6479, 35.4369, 2.9512



22.3276, 35.4369, 133.8457



41.8556, 35.4369, 150.8983

Sweetspot

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



48.3512, 35.4389, 4.4358



74.1302, 73.6874, 54.0590



45.9059, 23.2133, 26.2338



15.3277, 15.0614, 10.2576



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.



48.3512, 35.4389, 4.4358



48.0004, 34.7809, 4.1835



74.4259, 87.5884, 13.1274



18.7164, 19.4011, 18.9026



25.2281, 18.4674, 2.2349



2.5647, 2.0148, 0.2537

Inverse Universe

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



27.0580, 25.1431, 98.0341



26.6631, 24.4463, 97.9210



18.2609, 7.5489, 95.1017



17.7969, 18.9654, 22.9726



14.0829, 13.0754, 51.2161



1.4806, 1.4920, 5.0232

Previews

White Background



This preview shows how the XYZ color 48.3504, 35.4369, 4.4352 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 48.3504, 35.4369, 4.4352 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 48.3504, 35.4369, 4.4352

Background



This preview shows how black text looks on a background with the XYZ color 48.3504, 35.4369, 4.4352.



This preview shows how white text looks on a background with the XYZ color 48.3504, 35.4369,

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

48.3504, 35.4369, 4.4352

Protanopia

32.1909, 35.4967, 5.9655

Deuteranopia

36.0198, 35.4790, 4.9497



Tritanopia

51.2394, 35.4378, 23.2084

Trichromacy



Original Color

48.3504, 35.4369, 4.4352

Protanomaly

36.8217, 34.4602, 5.2010

Deuteranomaly

39.8082, 34.8800, 4.6918

Tritanomaly

49.3220, 35.0477, 11.9499

Monochromacy



Original Color

48.3504, 35.4369, 4.4352

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 48.3504, 35.4369, 4.4352 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 5) }
```

Border

The CSS property to change the border of an element to XYZ 48.3504, 35.4369, 4.4352 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, 5) }
```


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

```
.border{ border-color:rgb(255, 123, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3504, 35.4369, 4.4352 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, 5) }
```

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

```
.background{ background-color: rgb(255,  
123, 5) }
```

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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