

Converting Colors

XYZ(48.3992, 35.2621, 5.2929)

Have a look what the booklet for
XYZ(48.3992, 35.2621, 5.2929)
contains.

XYZ(48.3974, 35.2582, 5.2916)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(48.3974, 35.2582,
5.2916)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7A1B
RGB	255, 122, 27
RGB Percent	100%, 48%, 11%
CMY	0.0000, 0.5215, 0.8941
CMYK	0.00, 0.52, 0.89, 0.00
HSL	25°, 100%, 55%
HSV	25°, 89%, 100%
XYZ	48.3974, 35.2582, 5.2916
YIQ	150.9370, 109.7630, -1.3490

Conversions

Conversions Part 2

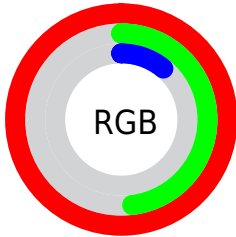
Format	Color
RYB	255, 190, 27
Decimal	16742939
CIELab	65.95, 46.04, 68.31
CIELCh	66, 82.373, 56.020
Yxy	35.2582, 0.5441, 0.3964
Android (android.graphics.Color)	4294933019 (0xFFFF7A1B)
YUV	150.9370, -61.1009, 91.2633
Hunter-Lab	59.3786, 41.5764, 36.2813

Details

The XYZ color **48.3974, 35.2582, 5.2916** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **31.0719, 32.5929, 99.2605**, and the grayscale version is **29.6101, 31.1522, 33.9247**.

A 20% lighter version of the original color is **58.5624, 53.3444, 15.5974**, and **23.6140, 15.3326, 1.7149** is the 20% darker color. If you saturate the color by 10%, you get **46.5197, 31.8066, 3.7306**, and if you desaturate by 10%, it is **50.8000, 39.3704, 8.2305**.

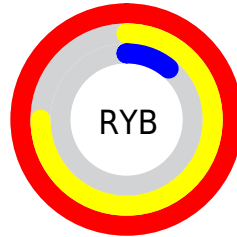
Distribution



Red (100%)

Green (48%)

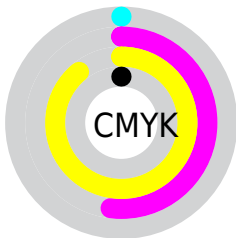
Blue (11%)



Red (100%)

Yellow (75%)

Blue (11%)

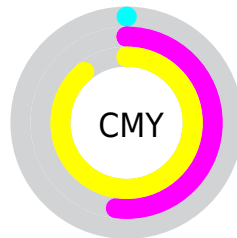


Cyan (0%)

Magenta (52%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3974, 35.2582, 5.2916 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 48.3974, 35.2582, 5.2916 by changing the saturation by 10% instead.


 48.3974, 35.2582,
5.2916


 48.3974, 35.2582,
5.2916


370.9216,
325.7065, 161.6512

 34.3543, 23.8618,
2.3576


 87.0019, 67.8856,
16.8933


 23.3301, 15.2312,
0.7632


 112.2940, 89.8854,
26.3982


 14.9594, 8.9818,
0.0000


 142.0665,
116.1884, 38.9304

 8.8771, 4.7293,
0.0000

 176.6846,
147.1791, 54.9086

 4.7175, 2.0893,
0.0000

 216.5139,
183.2419, 74.7512

 2.1155, 0.6586,
0.0000

 261.9195,

 0.6976, 0.0000,

224.7612, 98.8768

0.0000

313.2670,
272.1212, 127.7040

■ 0.0000, 0.0000,
0.0000

■ 48.3974, 35.2582,
5.2916

■ 48.3974, 35.2582,
5.2916

■ 46.5197, 31.8066,
3.7306

■ 50.8000, 39.3704,
8.2305

■ 46.4202, 31.6209,
3.6568

■ 53.8038, 44.1876,
12.9018

■ 57.4645, 49.7518,
19.5394

■ 61.8293, 56.0986,
28.3396

■ 66.9402, 63.2612,
39.4748

72.8357, 71.2701,
53.0997

79.5513, 80.1545,
69.3555

87.1201, 89.9416,
88.3728

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



59.3039, 35.2582, 15.8263



48.3974, 35.2582, 5.2916



35.1657, 35.2582, 2.8121

Triad

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



48.3974, 35.2582, 5.2916



15.1427, 35.2582, 33.9155



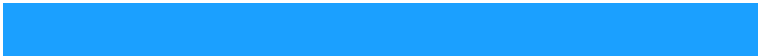
44.8846, 35.2582, 135.8611

Complementary

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



48.3974, 35.2582, 5.2916



31.0719, 32.5929, 99.2605

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.



31.9107, 35.2582, 151.8807



48.3974, 35.2582, 5.2916



16.5501, 35.2582, 76.0201

Square

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



48.3974, 35.2582, 5.2916



17.5879, 35.2582, 11.7627



22.0421, 35.2582, 125.3224



56.9547, 35.2582, 89.4737

Rectangle

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



48.3974, 35.2582, 5.2916



27.4493, 35.2582, 3.2623



22.0421, 35.2582, 125.3224



40.4072, 35.2582, 145.8453

Sweetspot

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



48.3982, 35.2602, 5.2922



74.3784, 73.3307, 56.7721



47.9770, 24.5820, 35.4745



15.4554, 15.0743, 11.0477



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.



48.3982, 35.2602, 5.2922



46.4206, 31.6211, 3.6569



71.4330, 81.3297, 12.9705



18.6312, 19.2306, 18.8742



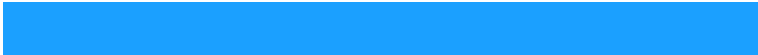
24.3950, 16.8012, 1.9572



2.4801, 1.8457, 0.2255

Inverse Universe

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



31.0719, 32.5929, 99.2605



28.7568, 28.6336, 98.6189



19.4791, 9.4073, 95.3962



17.8834, 19.1384, 23.0015



15.1769, 15.2635, 51.5808



1.5857, 1.7021, 5.0582

Previews

White Background



This preview shows how the XYZ color 48.3974, 35.2582, 5.2916 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 48.3974, 35.2582, 5.2916 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 48.3974, 35.2582, 5.2916

Background



This preview shows how black text looks on a background with the XYZ color 48.3974, 35.2582, 5.2916.



This preview shows how white text looks on a background with the XYZ color 48.3974, 35.2582,

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

48.3974, 35.2582, 5.2916

Protanopia

32.1349, 35.4471, 6.8985

Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

48.3974, 35.2582, 5.2916

Protanomaly

36.7207, 34.3871, 6.1408

Tritanomaly

49.4799, 34.9214, 13.3652

Monochromacy



Original Color

48.3974, 35.2582, 5.2916

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.9659, 30.6156, 17.8076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3974, 35.2582, 5.2916 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, 122, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 27)  
}
```

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, 122, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 27) }
```

Border

The CSS property to change the border of an element to XYZ 48.3974, 35.2582, 5.2916 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, 122, 27) }
```

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

```
.border{ border-color:rgb(255, 122, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
27) }
```


Background

The CSS property to change the background color of an element to XYZ 48.3974, 35.2582, 5.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 27) }
```

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

```
.background{ background-color: rgb(255,  
122, 27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor