

Converting Colors

XYZ(51.9508, 42.6813, 5.5014)

Have a look what the booklet for
XYZ(51.9508, 42.6813, 5.5014)
contains.

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Color

**XYZ(51.9874, 42.7549,
5.5125)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9500
RGB	255, 149, 0
RGB Percent	100%, 58%, 0%
CMY	0.0000, 0.4157, 0.9999
CMYK	0.00, 0.42, 1.00, 0.00
HSL	35°, 100%, 50%
HSV	35°, 100%, 100%
XYZ	51.9874, 42.7549, 5.5125
YIQ	163.7080, 111.0050, -23.8670

Conversions

Conversions Part 2

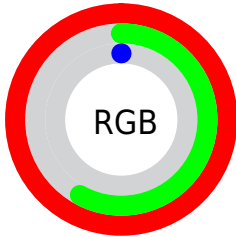
Format	Color
R_{YB}	181, 255, 0
Decimal	16749824
CIE _{Lab}	71.39, 32.23, 76.68
CIE _{LCh}	71, 83.181, 67.201
Yxy	42.7549, 0.5186, 0.4265
Android (android.graphics.Color)	4294939904 (0xFFFF9500)
YUV	163.7080, -80.7080, 80.0631
Hunter-Lab	65.3872, 27.4923, 40.7726

Details

The XYZ color **51.9874, 42.7549, 5.5125** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.2045, 17.5290, 96.7672**, and the grayscale version is **35.4842, 37.3322, 40.6547**.

A 20% lighter version of the original color is **64.1374, 64.9675, 15.9971**, and **25.7606, 19.6258, 2.4304** is the 20% darker color. If you saturate the color by 10%, you get **51.9874, 42.7554, 5.5126**, and if you desaturate by 10%, it is **53.9235, 46.3379, 7.0510**.

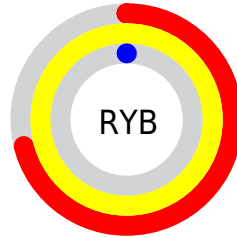
Distribution



Red (100%)

Green (58%)

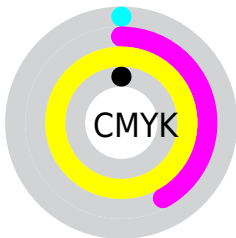
Blue (0%)



Red (71%)

Yellow (100%)

Blue (0%)

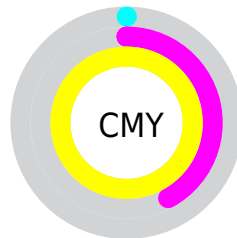


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9874, 42.7549, 5.5125 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 51.9874, 42.7549, 5.5125 by changing the saturation by 10% instead.


 51.9874, 42.7549,
5.5125

 51.9874, 42.7549,
5.5125


384.7127,
357.6028, 163.7899

 37.2193, 29.6929,
2.4870


 92.2870, 79.3409,
17.3702

 25.5518, 19.6056,
0.8333

 118.5492,
103.6336, 27.0395


 16.6195, 12.1087,
0.0000


 149.3734,
132.4386, 39.7605

 10.0572, 6.8177,
0.0000

 185.1250,
166.1404, 55.9517

 5.4995, 3.3484,
0.0000

 226.1694,
205.1233, 76.0318


 2.5809, 1.3162,
0.0000


 272.8719,


 0.9362, 0.1537,


249.7718, 100.4191


0.0000


 325.5979,
300.4701, 129.5323


 0.0000, 0.0000,
0.0000


 51.9874, 42.7549,
5.5125


 51.9874, 42.7549,
5.5125


 51.9874, 42.7554,
5.5126

 53.9235, 46.3379,
7.0510

 56.2510, 50.3261,
9.8827

 59.0466, 54.7580,
14.3887

 62.3581, 59.6585,
20.8024

 66.2259, 65.0494,
29.3197

70.6856, 70.9506,
40.1119

75.7697, 77.3800,
53.3323

81.5076, 84.3548,
69.1209

87.9268, 91.8909,
87.6070

Harmonies

Analogous

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



66.0737, 42.7549, 13.7649



51.9874, 42.7549, 5.5125



37.3550, 42.7549, 4.3070

Triad

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



51.9874, 42.7549, 5.5125



19.3523, 42.7549, 56.9022



59.1846, 42.7549, 138.9293

Complementary

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



51.9874, 42.7549, 5.5125



23.2045, 17.5290, 96.7672

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.



44.1063, 42.7549, 172.5924



51.9874, 42.7549, 5.5125



22.7443, 42.7549, 110.4615

Square

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



51.9874, 42.7549, 5.5125



20.5285, 42.7549, 22.6119



31.0724, 42.7549, 159.9419



70.8508, 42.7549, 83.2764

Rectangle

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



51.9874, 42.7549, 5.5125



29.5313, 42.7549, 6.1384



31.0724, 42.7549, 159.9419



54.2277, 42.7549, 154.3099

Sweetspot

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



51.9883, 42.7572, 5.5133



75.7676, 77.3772, 53.3251



43.8547, 22.3061, 15.7001



15.7419, 15.9677, 10.1555



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.



51.9883, 42.7572, 5.5133



51.9879, 42.7558, 5.5126



69.6094, 88.9695, 13.5044



18.8913, 19.7508, 18.9609



27.3156, 22.6425, 2.9308



2.7675, 2.4204, 0.3213

Inverse Universe

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



23.2045, 17.5290, 96.7672



23.2037, 17.5275, 96.7679



18.3648, 7.3825, 95.0638



17.6233, 18.6182, 22.9148



12.2635, 9.4367, 50.6097



1.2989, 1.1284, 4.9626

Previews

White Background



This preview shows how the XYZ color 51.9874, 42.7549, 5.5125 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 51.9874, 42.7549, 5.5125 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 51.9874, 42.7549, 5.5125

Background



This preview shows how black text looks on a background with the XYZ color 51.9874, 42.7549, 5.5125.



This preview shows how white text looks on a background with the XYZ color 51.9874, 42.7549,

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

51.9874, 42.7549, 5.5125

Protanopia

38.9403, 43.1069, 6.9299

Deuteranopia

43.7604, 42.8020, 5.9552



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

51.9874, 42.7549, 5.5125

Protanomaly

42.9223, 42.3616, 6.2951

Deuteranomaly

46.5025, 42.6340, 5.7782

Tritanomaly

53.4767, 42.3553, 16.4232

Monochromacy



Original Color

51.9874, 42.7549, 5.5125

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.9228, 37.6661, 18.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9874, 42.7549, 5.5125 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, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 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, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.9874, 42.7549, 5.5125 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, 149, 0) }
```


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

```
.border{ border-color:rgb(255, 149, 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, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9874, 42.7549, 5.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 0) }
```

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

```
.background{ background-color: rgb(255,  
149, 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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