

Converting Colors

XYZ(54.7209, 48.2218, 6.4236)

Have a look what the booklet for
XYZ(54.7209, 48.2218, 6.4236)
contains.

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Color

**XYZ(54.6951, 48.1703,
6.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA500
RGB	255, 165, 0
RGB Percent	100%, 65%, 0%
CMY	0.0000, 0.3529, 0.9999
CMYK	0.00, 0.35, 1.00, 0.00
HSL	39°, 100%, 50%
HSV	39°, 100%, 100%
XYZ	54.6951, 48.1703, 6.4150
YIQ	173.1000, 106.6050, -32.2350

Conversions

Conversions Part 2

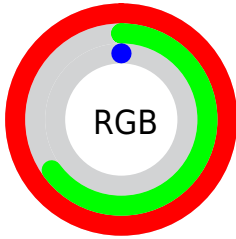
Format	Color
R_{YB}	139, 255, 0
Decimal	16753920
CIE _{Lab}	74.93, 23.94, 78.96
CIE _{LCh}	75, 82.505, 73.135
Yxy	48.1703, 0.5005, 0.4408
Android (android.graphics.Color)	4294944000 (0xFFFFA500)
YUV	173.1000, -85.3383, 71.8263
Hunter-Lab	69.4048, 19.2101, 43.1033

Details

The XYZ color **54.6951, 48.1703, 6.4150** is a dark color, and the websafe version is hex **FF9900**, and the color name is **orange**. The color can be described as middle saturated orange. A complement of this color would be **21.7066, 14.5333, 96.2680**, and the grayscale version is **40.1575, 42.2488, 46.0090**.

A 20% lighter version of the original color is **68.2445, 73.0109, 17.8928**, and **27.6434, 23.0167, 2.9857** is the 20% darker color. If you saturate the color by 10%, you get **54.6952, 48.1710, 6.4152**, and if you desaturate by 10%, it is **56.5581, 51.6071, 7.9293**.

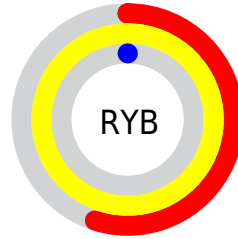
Distribution



Red (100%)

Green (65%)

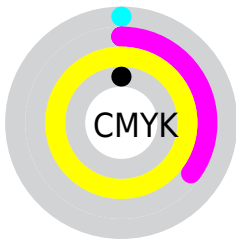
Blue (0%)



Red (55%)

Yellow (100%)

Blue (0%)

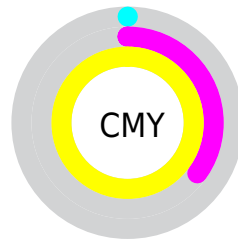


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6951, 48.1703, 6.4150 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 54.6951, 48.1703, 6.4150 by changing the saturation by 10% instead.


 54.6951, 48.1703,
6.4150


 54.6951, 48.1703,
6.4150


394.9104,
379.4668, 172.1524

 39.3905, 33.9618,
3.0262


 96.2450, 87.4579,
19.2787


 27.2458, 22.8642,
1.1080


 123.2211,
113.3058, 29.5907


 17.8954, 14.4933,
0.0000


 154.8184,
143.8022, 43.0475

 10.9742, 8.4645,
0.0000

 191.4022,
179.3316, 60.0676

 6.1166, 4.3936,
0.0000

 233.3380,
220.2784, 81.0696

 2.9575, 1.8961,
0.0000

 280.9910,

 1.1313, 0.5460,

267.0269, 106.4721

0.0000

334.7267,
319.9616, 136.6935

■ 0.0511, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.6951, 48.1703,
6.4150

■ 54.6951, 48.1703,
6.4150

■ 54.6952, 48.1710,
6.4152

■ 56.5581, 51.6071,
7.9293

■ 58.7723, 55.3687,
10.7232

■ 61.4131, 59.4909,
15.1776

■ 64.5266, 63.9955,
21.5254

68.1519, 68.9015,
29.9620

72.3234, 74.2260,
40.6581

77.0719, 79.9844,
53.7667

82.4258, 86.1911,
69.4274

88.4113, 92.8598,
87.7690

Harmonies

Analogous

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



70.2902, 48.1703, 13.7617



54.6951, 48.1703, 6.4150



39.5233, 48.1703, 6.0774

Triad

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



54.6951, 48.1703, 6.4150



23.0056, 48.1703, 73.6064



68.5343, 48.1703, 139.0501

Complementary

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



54.6951, 48.1703, 6.4150



21.7066, 14.5333, 96.2680

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.



52.6741, 48.1703, 181.4711



54.6951, 48.1703, 6.4150



27.7606, 48.1703, 131.8776

Square

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



54.6951, 48.1703, 6.4150



23.3148, 48.1703, 31.9076



37.8982, 48.1703, 178.2990



79.4018, 48.1703, 80.3261

Rectangle

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



54.6951, 48.1703, 6.4150



31.7290, 48.1703, 9.1779



37.8982, 48.1703, 178.2990



63.4768, 48.1703, 156.8316

Sweetspot

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



54.6962, 48.1728, 6.4159



77.0699, 79.9818, 53.7592



43.2381, 22.0595, 12.4534



16.0522, 16.5882, 10.2589



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.



54.6962, 48.1728, 6.4159



54.6957, 48.1714, 6.4152



65.5788, 86.8916, 13.3158



18.9902, 19.9485, 18.9939



28.7254, 25.4621, 3.4007



2.8998, 2.6849, 0.3654

Inverse Universe

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



21.7066, 14.5333, 96.2680



21.7059, 14.5318, 96.2686



18.7101, 7.5605, 95.0800



17.5274, 18.4265, 22.8828



11.4684, 7.8463, 50.3446



1.2149, 0.9604, 4.9346

Previews

White Background



This preview shows how the XYZ color 54.6951, 48.1703, 6.4150 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 54.6951, 48.1703, 6.4150 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 54.6951, 48.1703, 6.4150

Background



This preview shows how black text looks on a background with the XYZ color 54.6951, 48.1703, 6.4150.



This preview shows how white text looks on a background with the XYZ color 54.6951, 48.1703,

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

54.6951, 48.1703, 6.4150

Protanopia

43.7526, 48.2969, 7.5885

Deuteranopia

49.2617, 48.1524, 6.6980



Tritanopia

60.2720, 48.1640, 42.6791

Trichromacy



Original Color

54.6951, 48.1703, 6.4150

Protanomaly

47.3448, 48.0337, 7.0927

Deuteranomaly

51.1809, 48.0031, 6.5680

Tritanomaly

56.4123, 47.4422, 19.8197

Monochromacy



Original Color

54.6951, 48.1703, 6.4150

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.8178, 42.5717, 20.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6951, 48.1703, 6.4150 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 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, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.6951, 48.1703, 6.4150 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, 165, 0) }
```


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

```
.border{ border-color:rgb(255, 165, 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, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6951, 48.1703, 6.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 0) }
```

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

```
.background{ background-color: rgb(255,  
165, 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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