

Converting Colors

XYZ(54.3140, 50.1565, 6.8185)

Have a look what the booklet for
XYZ(54.3140, 50.1565, 6.8185)
contains.

XYZ(54.3679, 50.2111, 6.8262)	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>	31

Color

**XYZ(54.3679, 50.2111,
6.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	FAAD00
RGB	250, 173, 0
RGB Percent	98%, 68%, 0%
CMY	0.0196, 0.3215, 0.9999
CMYK	0.00, 0.31, 1.00, 0.02
HSL	42°, 100%, 49%
HSV	42°, 100%, 98%
XYZ	54.3679, 50.2111, 6.8262
YIQ	176.3010, 101.4250, -37.4790

Conversions

Conversions Part 2

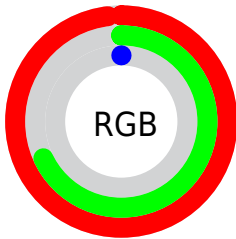
Format	Color
R_YB	111, 250, 0
Decimal	16428288
CIE Lab	76.20, 17.65, 79.51
CIE LCh	76, 81.446, 77.487
Yxy	50.2111, 0.4880, 0.4507
Android (android.graphics.Color)	4294618368 (0xFFFAAD00)
YUV	176.3010, -86.9164, 64.6340
Hunter-Lab	70.8598, 12.9513, 43.8902

Details

The XYZ color **54.3679, 50.2111, 6.8262** 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 **19.9099, 12.2113, 91.7494**, and the grayscale version is **41.8292, 44.0075, 47.9242**.

A 20% lighter version of the original color is **70.4686, 77.3409, 18.9988**, and **27.3309, 24.2395, 3.2382** is the 20% darker color. If you saturate the color by 10%, you get **54.3679, 50.2116, 6.8263**, and if you desaturate by 10%, it is **56.0640, 53.3227, 8.2581**.

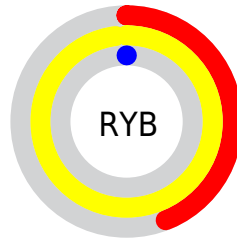
Distribution



Red (98%)

Green (68%)

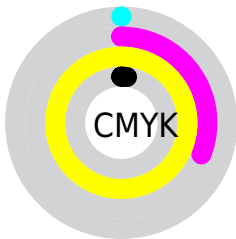
Blue (0%)



Red (44%)

Yellow (98%)

Blue (0%)

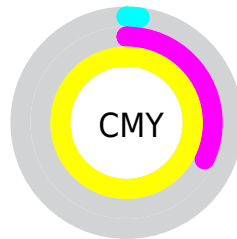


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.3679, 50.2111, 6.8262 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 54.3679, 50.2111, 6.8262 by changing the saturation by 10% instead.


 54.3679, 50.2111,
6.8262


 54.3679, 50.2111,
6.8262


393.6869,
387.4909, 175.7874


 39.1277, 35.5812,
3.2769

 95.7679, 90.4876,
20.1296

 27.0403, 24.1109,
1.2377


 122.6585,
116.9029, 30.7207

 17.7402, 15.4159,
0.0099


 154.1632,
148.0155, 44.4962

 10.8622, 9.1118,
0.0000

 190.6475,
184.2097, 61.8745

 6.0408, 4.8142,
0.0000

 232.4766,
225.8699, 83.2743

 2.9108, 2.1386,
0.0000

 280.0160,

 1.1068, 0.6862,

273.3806, 109.1140

0.0000

333.6310,
327.1262, 139.8122

■ 0.0308, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.3679, 50.2111,
6.8262

■ 54.3679, 50.2111,
6.8262

■ 54.3679, 50.2116,
6.8263

■ 56.0640, 53.3227,
8.2581

■ 58.0703, 56.6946,
10.9021

■ 60.4585, 60.3598,
15.1237

■ 63.2718, 64.3378,
21.1445

66.5469, 68.6451,
29.1501

70.3155, 73.2967,
39.3028

74.6067, 78.3059,
51.7483

79.4466, 83.6854,
66.6193

84.8598, 89.4467,
84.0382

Harmonies

Analogous

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



70.4252, 50.2111, 13.1770



54.3679, 50.2111, 6.8262



39.4389, 50.2111, 7.3087

Triad

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



54.3679, 50.2111, 6.8262



24.8520, 50.2111, 84.0099



72.7850, 50.2111, 133.3881

Complementary

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



54.3679, 50.2111, 6.8262



19.9099, 12.2113, 91.7494

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.



57.0953, 50.2111, 180.3697



54.3679, 50.2111, 6.8262



30.5152, 50.2111, 142.9543

Square

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



54.3679, 50.2111, 6.8262



24.4279, 50.2111, 38.4108



41.6450, 50.2111, 184.5853



82.4829, 50.2111, 74.9740

Rectangle

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



54.3679, 50.2111, 6.8262



32.0016, 50.2111, 11.4264



41.6450, 50.2111, 184.5853



67.9011, 50.2111, 152.1342

Sweetspot

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



54.3690, 50.2137, 6.8271



78.0250, 81.8922, 54.0776



40.8420, 20.8913, 9.3110



16.2806, 17.0451, 10.3350



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.



54.3690, 50.2137, 6.8271



56.8561, 52.4923, 7.1354



59.1336, 81.2320, 12.5632



18.2499, 19.2357, 18.2134



28.9722, 26.9010, 3.6654



2.7773, 2.6794, 0.3708

Inverse Universe

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



19.9099, 12.2113, 91.7494



20.8128, 12.7455, 95.9709



18.3752, 7.4797, 90.9170



16.7190, 17.5149, 21.8848



10.6718, 6.6991, 48.7041



1.0780, 0.7997, 4.5407

Previews

White Background



This preview shows how the XYZ color 54.3679, 50.2111, 6.8262 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 54.3679, 50.2111, 6.8262 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 54.3679, 50.2111, 6.8262

Background



This preview shows how black text looks on a background with the XYZ color 54.3679, 50.2111, 6.8262.



This preview shows how white text looks on a background with the XYZ color 54.3679, 50.2111,

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

54.3679, 50.2111, 6.8262

Protanopia

45.4425, 50.4297, 7.8290

Deuteranopia

51.3800, 50.4173, 7.0235



Tritanopia

61.8003, 50.1567, 46.4684

Trichromacy



Original Color

54.3679, 50.2111, 6.8262

Protanomaly

48.3523, 50.0576, 7.4008

Deuteranomaly

52.3401, 50.3215, 6.9544

Tritanomaly

57.0135, 49.3028, 21.5504

Monochromacy



Original Color

54.3679, 50.2111, 6.8262

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.8832, 44.5263, 21.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3679, 50.2111, 6.8262 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(250, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 173, 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(250, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.3679, 50.2111, 6.8262 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(250, 173, 0) }
```


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

```
.border{ border-color:rgb(250, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 173,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3679, 50.2111, 6.8262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 173, 0) }
```

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

```
.background{ background-color: rgb(250,  
173, 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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