

Converting Colors

XYZ(50.9460, 43.7388, 5.9237)

Have a look what the booklet for
XYZ(50.9460, 43.7388, 5.9237)
contains.

XYZ(50.8211, 43.5956, 5.9085)	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(50.8211, 43.5956,
5.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	F99B06
RGB	249, 155, 6
RGB Percent	98%, 61%, 2%
CMY	0.0235, 0.3921, 0.9764
CMYK	0.00, 0.38, 0.98, 0.02
HSL	37°, 95%, 50%
HSV	37°, 98%, 98%
XYZ	50.8211, 43.5956, 5.9085
YIQ	166.1200, 103.8530, -26.4110

Conversions

Conversions Part 2

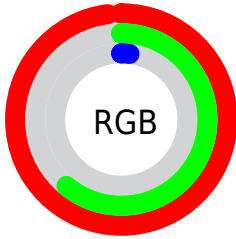
Format	Color
RYB	159, 249, 6
Decimal	16358150
CIELab	71.96, 26.70, 75.93
CIELCh	72, 80.489, 70.628
Yxy	43.5956, 0.5066, 0.4345
Android (android.graphics.Color)	4294548230 (0xFFFF99B06)
YUV	166.1200, -78.9392, 72.6858
Hunter-Lab	66.0270, 21.8447, 40.9132

Details

The XYZ color **50.8211, 43.5956, 5.9085** 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 **21.7316, 15.9935, 91.5633**, and the grayscale version is **36.6403, 38.5485, 41.9793**.

A 20% lighter version of the original color is **65.6979, 67.9177, 17.0439**, and **25.0999, 20.1396, 2.5644** is the 20% darker color. If you saturate the color by 10%, you get **50.4057, 42.8178, 5.6080**, and if you desaturate by 10%, it is **52.7029, 47.0183, 7.5880**.

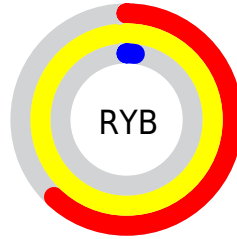
Distribution



Red (98%)

Green (61%)

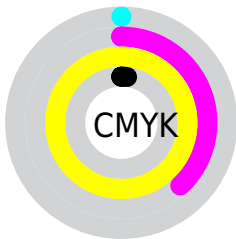
Blue (2%)



Red (62%)

Yellow (98%)

Blue (2%)

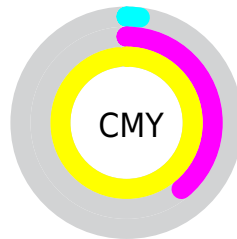


Cyan (0%)

Magenta (38%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (39%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8211, 43.5956, 5.9085 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 50.8211, 43.5956, 5.9085 by changing the saturation by 10% instead.

50.8211, 43.5956,
5.9085

50.8211, 43.5956,
5.9085

380.2674,
361.0555, 167.5294

36.2867, 30.3527,
2.7216

90.5748, 80.6089,
18.2151

24.8268, 20.1065,
0.9543

116.5249,
105.1480, 28.1718

16.0761, 12.4725,
0.0000

147.0109,
134.2214, 41.2223

9.6692, 7.0663,
0.0000

182.3982,
168.2134, 57.7851

5.2408, 3.5036,
0.0000

223.0522,
207.5085, 78.2786

2.4254, 1.4000,
0.0000

269.3381,

0.8578, 0.2167,

252.4909, 103.1215

0.0000

321.6214,
303.5451, 132.7322

■ 0.0000, 0.0000,
0.0000

■ 50.8211, 43.5956,
5.9085

■ 50.8211, 43.5956,
5.9085

■ 50.4057, 42.8178,
5.6080

■ 52.7029, 47.0183,
7.5880

■ 54.9642, 50.8001,
10.6259

■ 57.6613, 54.9699,
15.2994

■ 60.8363, 59.5488,
21.8180

■ 64.5255, 64.5555,
30.3596

■ 68.7611, 70.0069,
41.0809

■ 73.5722, 75.9187,
54.1232

■ 78.9856, 82.3054,
69.6156

■ 85.0261, 89.1808,
87.6778

Harmonies

Analogous

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



64.8664, 43.5956, 13.3027



50.8211, 43.5956, 5.9085



36.7571, 43.5956, 5.1957

Triad

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



50.8211, 43.5956, 5.9085



20.5339, 43.5956, 62.8169



61.1056, 43.5956, 131.0404

Complementary

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



50.8211, 43.5956, 5.9085



21.7316, 15.9935, 91.5633

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.



46.4967, 43.5956, 167.2419



50.8211, 43.5956, 5.9085



24.4608, 43.5956, 115.6506

Square

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



50.8211, 43.5956, 5.9085



21.1930, 43.5956, 26.5524



33.2844, 43.5956, 160.4308



71.6524, 43.5956, 77.2113

Rectangle

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



50.8211, 43.5956, 5.9085



29.3929, 43.5956, 7.6120



33.2844, 43.5956, 160.4308



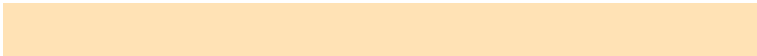
56.3881, 43.5956, 146.7307

Sweetspot

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



50.8221, 43.5979, 5.9093



76.8894, 79.2059, 54.9787



41.5904, 21.2535, 14.7969



15.9852, 16.3765, 10.4768



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.



50.8221, 43.5979, 5.9093



53.1892, 45.1583, 5.9131



64.8663, 83.7233, 12.9141



18.1307, 18.9973, 18.1736



27.1236, 23.2039, 3.0492



2.6149, 2.3546, 0.3167

Inverse Universe

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



21.7316, 15.9935, 91.5633



22.4777, 16.0754, 96.5259



17.7085, 7.2508, 90.0878



16.8335, 17.7439, 21.9230



11.5348, 8.4252, 48.9918



1.1676, 0.9790, 4.5706

Previews

White Background



This preview shows how the XYZ color 50.8211, 43.5956, 5.9085 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 50.8211, 43.5956, 5.9085 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 50.8211, 43.5956, 5.9085

Background



This preview shows how black text looks on a background with the XYZ color 50.8211, 43.5956, 5.9085.



This preview shows how white text looks on a background with the XYZ color 50.8211, 43.5956,

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

50.8211, 43.5956, 5.9085

Protanopia

39.3929, 43.6334, 6.9620

Deuteranopia

44.4341, 43.6932, 6.0917



Tritanopia

57.1297, 43.5731, 36.4097

Trichromacy



Original Color

50.8211, 43.5956, 5.9085

Protanomaly

42.8825, 43.1594, 6.4859

Deuteranomaly

46.3869, 43.3546, 5.9808

Tritanomaly

53.4469, 43.0020, 17.7952

Monochromacy



Original Color

50.8211, 43.5956, 5.9085

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.3921, 38.6591, 19.6258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8211, 43.5956, 5.9085 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(249, 155, 6)` looks like.

```
.text, #text, p{  
    color:rgb(249, 155, 6)  
}
```

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(249, 155, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 155, 6) }
```

Border

The CSS property to change the border of an element to XYZ 50.8211, 43.5956, 5.9085 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(249, 155, 6) }
```


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

```
.border{ border-color:rgb(249, 155, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 155, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 155, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 155, 6);  
box-shadow:4px 4px 4px 4px rgb(249, 155,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8211, 43.5956, 5.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 155, 6) }
```

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

```
.background{ background-color: rgb(249,  
155, 6) }
```

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