

Converting Colors

XYZ(50.8705, 39.3191, 8.8452)

Have a look what the booklet for
XYZ(50.8705, 39.3191, 8.8452)
contains.

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Color

**XYZ(50.9494, 39.4568,
8.9336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF893A
RGB	255, 137, 58
RGB Percent	100%, 54%, 23%
CMY	0.0000, 0.4627, 0.7725
CMYK	0.00, 0.46, 0.77, 0.00
HSL	24°, 100%, 61%
HSV	24°, 77%, 100%
XYZ	50.9494, 39.4568, 8.9336
YIQ	163.2760, 95.6870, 0.4470

Conversions

Conversions Part 2

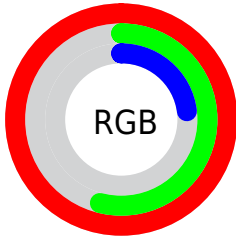
Format	Color
R _Y B	255, 190, 58
Decimal	16746810
CIE Lab	69.08, 39.44, 59.78
CIE LCh	69, 71.621, 56.588
Yxy	39.4568, 0.5129, 0.3972
Android (android.graphics.Color)	4294936890 (0xFFFF893A)
YUV	163.2760, -51.9011, 80.4419
Hunter-Lab	62.8146, 34.8570, 35.5379

Details

The XYZ color **50.9494, 39.4568, 8.9336** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.3191, 39.1679, 100.3058**, and the grayscale version is **35.1506, 36.9811, 40.2725**.

A 20% lighter version of the original color is **62.9041, 60.0851, 23.0340**, and **24.9867, 17.7035, 2.1002** is the 20% darker color. If you saturate the color by 10%, you get **48.4343, 35.2209, 5.6481**, and if you desaturate by 10%, it is **54.0944, 44.4400, 14.0124**.

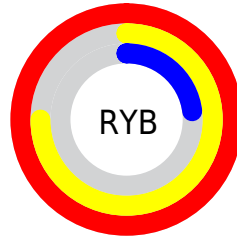
Distribution



Red (100%)

Green (54%)

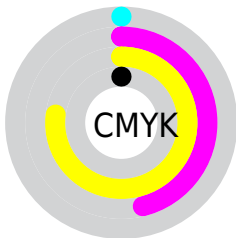
Blue (23%)



Red (100%)

Yellow (75%)

Blue (23%)

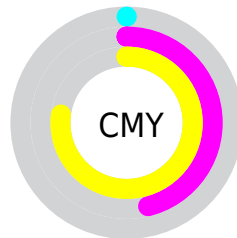


Cyan (0%)

Magenta (46%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9494, 39.4568, 8.9336 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 50.9494, 39.4568, 8.9336 by changing the saturation by 10% instead.


 50.9494, 39.4568,
8.9336

 50.9494, 39.4568,
8.9336


380.7581,
343.8287, 193.0816


 36.3892, 27.1153,
4.6017


 90.7634, 74.3356,
24.3450

 24.9064, 17.6598,
1.9609


 116.7479, 97.6417,
36.2616


 16.1357, 10.7060,
0.5311


 147.2713,
125.3715, 51.5436

 9.7117, 5.8695,
0.0000

 182.6989,
157.9093, 70.6093

 5.2690, 2.7659,
0.0000

 223.3960,
195.6395, 93.8774

 2.4423, 1.0108,
0.0000

 269.7280,

 0.8663, 0.0000,

238.9465, 121.7665

0.0000

322.0602,
288.2148, 154.6950

■ 0.0000, 0.0000,
0.0000

■ 50.9494, 39.4568,
8.9336

■ 50.9494, 39.4568,
8.9336

■ 48.4343, 35.2209,
5.6481

■ 54.0944, 44.4400,
14.0124

■ 46.4798, 31.6786,
3.8659

■ 57.9207, 50.2050,
21.1065

■ 46.0174, 30.8152,
3.5225

■ 62.4759, 56.7910,
30.4073

■ 67.8022, 64.2322,
42.0833

■ 73.9382, 72.5607,
56.2861

80.9196, 81.8067,
73.1548

88.7798, 91.9987,
92.8182

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.



60.7825, 39.4568, 20.5033



50.9494, 39.4568, 8.9336



38.8253, 39.4568, 5.7873

Triad

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



50.9494, 39.4568, 8.9336



19.5671, 39.4568, 39.3248



48.2216, 39.4568, 127.3790

Complementary

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



50.9494, 39.4568, 8.9336



35.3191, 39.1679, 100.3058

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.



36.2101, 39.4568, 141.3664



50.9494, 39.4568, 8.9336



21.0855, 39.4568, 77.7298

Square

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



50.9494, 39.4568, 8.9336



21.9889, 39.4568, 16.7919



26.6579, 39.4568, 119.8058



58.9962, 39.4568, 87.7635

Rectangle

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



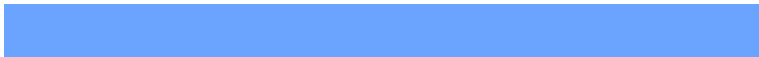
50.9494, 39.4568, 8.9336



31.5728, 39.4568, 6.4715



26.6579, 39.4568, 119.8058



44.1318, 39.4568, 135.8914

Sweetspot

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



50.9503, 39.4589, 8.9343



76.8032, 76.3804, 63.1286



50.6093, 27.4288, 43.8053



15.9162, 15.6520, 12.2617



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.



50.9503, 39.4589, 8.9343



47.2485, 33.1042, 4.4653



71.7977, 81.1537, 15.8834



18.6072, 19.1827, 18.8663



24.1818, 16.3747, 1.8861



2.4580, 1.8014, 0.2181

Inverse Universe

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



35.3191, 39.1679, 100.3058



30.8486, 32.4511, 99.2455



22.4982, 13.5261, 96.0321



17.9079, 19.1875, 23.0097



15.5110, 15.9316, 51.6922



1.6173, 1.7653, 5.0688

Previews

White Background



This preview shows how the XYZ color 50.9494, 39.4568, 8.9336 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 50.9494, 39.4568, 8.9336 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 50.9494, 39.4568, 8.9336

Background



This preview shows how black text looks on a background with the XYZ color 50.9494, 39.4568, 8.9336.



This preview shows how white text looks on a background with the XYZ color 50.9494, 39.4568,

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

50.9494, 39.4568, 8.9336

Protanopia

35.9401, 39.4725, 11.0349

Deuteranopia

40.2979, 39.3689, 8.4926



Tritanopia

54.0899, 39.3860, 29.5624

Trichromacy



Original Color

50.9494, 39.4568, 8.9336

Protanomaly

40.1338, 38.4812, 10.1628

Deuteranomaly

43.8657, 39.2075, 8.6240

Tritanomaly

52.4420, 39.1608, 19.5467

Monochromacy



Original Color

50.9494, 39.4568, 8.9336

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.0222, 36.3276, 24.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9494, 39.4568, 8.9336 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, 137, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 58)  
}
```

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, 137, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 58) }
```

Border

The CSS property to change the border of an element to XYZ 50.9494, 39.4568, 8.9336 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, 137, 58) }
```


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

```
.border{ border-color:rgb(255, 137, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9494, 39.4568, 8.9336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 58) }
```

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

```
.background{ background-color: rgb(255,  
137, 58) }
```

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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