

Converting Colors

XYZ(50.6768, 38.8911, 8.9060)

Have a look what the booklet for
XYZ(50.6768, 38.8911, 8.9060)
contains.

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Color

**XYZ(50.6934, 38.9037,
8.9750)**

Conversions

Conversions Part 1

Format	Color
Hex	FF873B
RGB	255, 135, 59
RGB Percent	100%, 53%, 23%
CMY	0.0000, 0.4706, 0.7686
CMYK	0.00, 0.47, 0.77, 0.00
HSL	23°, 100%, 62%
HSV	23°, 77%, 100%
XYZ	50.6934, 38.9037, 8.9750
YIQ	162.2160, 95.9160, 1.8040

Conversions

Conversions Part 2

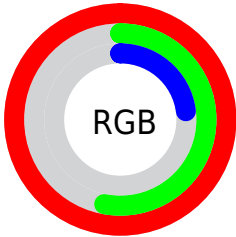
Format	Color
R _Y B	255, 183, 59
Decimal	16746299
CIE Lab	68.68, 40.48, 58.96
CIE LCh	69, 71.519, 55.530
Yxy	38.9037, 0.5143, 0.3947
Android (android.graphics.Color)	4294936379 (0xFFFF873B)
YUV	162.2160, -50.8855, 81.3716
Hunter-Lab	62.3728, 35.9231, 35.1296

Details

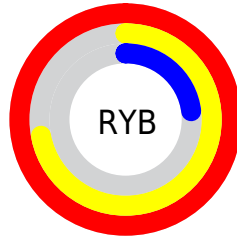
The XYZ color **50.6934, 38.9037, 8.9750** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.9725, 40.3875, 100.5067**, and the grayscale version is **34.6448, 36.4491, 39.6930**.

A 20% lighter version of the original color is **62.5227, 59.2346, 23.1770**, and **24.8315, 17.3930, 2.0484** is the 20% darker color. If you saturate the color by 10%, you get **48.1655, 34.6607, 5.6276**, and if you desaturate by 10%, it is **53.8651, 43.9187, 14.1292**.

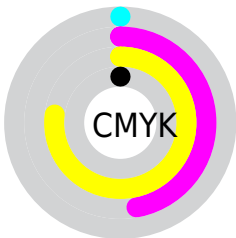
Distribution



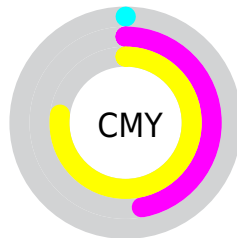
- Red (100%)
- Green (53%)
- Blue (23%)



- Red (100%)
- Yellow (72%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6934, 38.9037, 8.9750 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 50.6934, 38.9037, 8.9750 by changing the saturation by 10% instead.

 50.6934, 38.9037,
8.9750


 50.6934, 38.9037,
8.9750


379.7787,
341.4809, 193.4025


 36.1847, 26.6848,
4.6283


 90.3871, 73.4912,
24.4258


 24.7477, 17.3367,
1.9760


 116.3028, 96.6286,
36.3669


 16.0169, 10.4748,
0.5404


 146.7516,
124.1743, 51.6766

 9.6270, 5.7149,
0.0000

 182.0988,
156.5126, 70.7734

 5.2127, 2.6725,
0.0000

 222.7097,
194.0281, 94.0759

 2.4086, 0.9632,
0.0000

 268.9498,

 0.8494, 0.0000,

237.1050, 122.0025

0.0000

321.1843,
286.1278, 154.9719

■ 0.0000, 0.0000,
0.0000

■ 50.6934, 38.9037,
8.9750

■ 50.6934, 38.9037,
8.9750

■ 48.1655, 34.6607,
5.6276

■ 53.8651, 43.9187,
14.1292

■ 46.2123, 31.1348,
3.8038

■ 57.7325, 49.7420,
21.3108

■ 45.6908, 30.1620,
3.4137

■ 62.3439, 56.4145,
30.7107

■ 67.7422, 63.9718,
42.4965

■ 73.9666, 72.4474,
56.8199

81.0533, 81.8728,
73.8197

89.0364, 92.2780,
93.6244

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.



60.2625, 38.9037, 20.7965



50.6934, 38.9037, 8.9750



38.6969, 38.9037, 5.6734

Triad

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



50.6934, 38.9037, 8.9750



19.2646, 38.9037, 37.6906



47.1578, 38.9037, 127.0183

Complementary

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



50.6934, 38.9037, 8.9750



35.9725, 40.3875, 100.5067

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.



35.3084, 38.9037, 139.6609



50.6934, 38.9037, 8.9750



20.6268, 38.9037, 75.2502

Square

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



50.6934, 38.9037, 8.9750



21.7962, 38.9037, 15.9929



25.9887, 38.9037, 117.1942



57.9467, 38.9037, 88.2618

Rectangle

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



50.6934, 38.9037, 8.9750



31.4573, 38.9037, 6.2364



25.9887, 38.9037, 117.1942



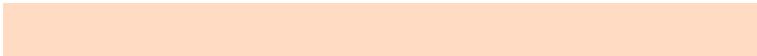
43.1069, 38.9037, 135.0966

Sweetspot

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



50.6943, 38.9058, 8.9757



76.5997, 75.9735, 63.0608



51.0285, 27.6779, 45.7619



15.8675, 15.5546, 12.2455



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.



50.6943, 38.9058, 8.9757



47.0953, 32.7629, 4.5223



70.9233, 79.3638, 15.7187



18.5870, 19.1421, 18.8595



24.0086, 16.0284, 1.8284



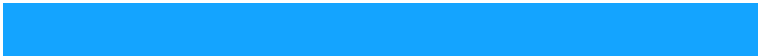
2.4398, 1.7650, 0.2121

Inverse Universe

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



35.9725, 40.3875, 100.5067



31.6266, 33.9327, 99.4905



22.8611, 14.1646, 96.1362



17.9288, 19.2292, 23.0166



15.8027, 16.5151, 51.7894



1.6448, 1.8202, 5.0779

Previews

White Background



This preview shows how the XYZ color 50.6934, 38.9037, 8.9750 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 50.6934, 38.9037, 8.9750 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 50.6934, 38.9037, 8.9750

Background



This preview shows how black text looks on a background with the XYZ color 50.6934, 38.9037, 8.9750.



This preview shows how white text looks on a background with the XYZ color 50.6934, 38.9037,

8.9750.

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

50.6934, 38.9037, 8.9750

Protanopia

35.5395, 38.9874, 11.1210

Deuteranopia

39.8596, 38.8842, 8.5365



Tritanopia

53.6777, 38.7955, 28.7039

Trichromacy



Original Color

50.6934, 38.9037, 8.9750

Protanomaly

39.9940, 38.1556, 10.2579

Deuteranomaly

43.2508, 38.4099, 8.6243

Tritanomaly

52.1166, 38.5967, 19.1711

Monochromacy



Original Color

50.6934, 38.9037, 8.9750

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.6949, 35.6729, 24.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6934, 38.9037, 8.9750 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, 135, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 59)  
}
```

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, 135, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 59) }
```

Border

The CSS property to change the border of an element to XYZ 50.6934, 38.9037, 8.9750 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, 135, 59) }
```


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

```
.border{ border-color:rgb(255, 135, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6934, 38.9037, 8.9750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 59) }
```

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

```
.background{ background-color: rgb(255,  
135, 59) }
```

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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