

Converting Colors

XYZ(114.5395, 72.1782,
12.0784)

Have a look what the booklet for
XYZ(114.5395, 72.1782, 12.0784)
contains.

XYZ(50.9751, 39.4671, 9.0689)	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(50.9751, 39.4671,
9.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	FF893B
RGB	255, 137, 59
RGB Percent	100%, 54%, 23%
CMY	0.0000, 0.4627, 0.7686
CMYK	0.00, 0.46, 0.77, 0.00
HSL	24°, 100%, 62%
HSV	24°, 77%, 100%
XYZ	50.9751, 39.4671, 9.0689
YIQ	163.3900, 95.3660, 0.7580

Conversions

Conversions Part 2

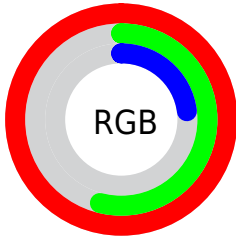
Format	Color
R _{YB}	255, 189, 59
Decimal	16746811
CIE Lab	69.09, 39.47, 59.36
CIE LCh	69, 71.288, 56.376
Yxy	39.4671, 0.5123, 0.3966
Android (android.graphics.Color)	4294936891 (0xFFFF893B)
YUV	163.3900, -51.4643, 80.3420
Hunter-Lab	62.8228, 34.8967, 35.4171

Details

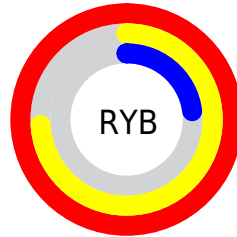
The XYZ color **50.9751, 39.4671, 9.0689** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.5746, 39.5917, 100.3741**, and the grayscale version is **35.2028, 37.0361, 40.3323**.

A 20% lighter version of the original color is **62.9589, 60.1070, 23.3224**, and **24.9867, 17.7035, 2.1002** is the 20% darker color. If you saturate the color by 10%, you get **48.4388, 35.2074, 5.7187**, and if you desaturate by 10%, it is **54.1463, 44.4810, 14.2229**.

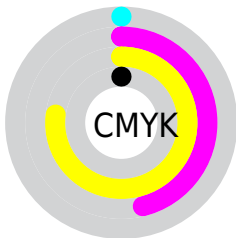
Distribution



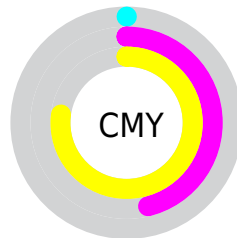
- Red (100%)
- Green (54%)
- Blue (23%)



- Red (100%)
- Yellow (74%)
- 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 50.9751, 39.4671, 9.0689 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 50.9751, 39.4671, 9.0689 by changing the saturation by 10% instead.


 50.9751, 39.4671,
9.0689


 50.9751, 39.4671,
9.0689


380.8563,
343.8723, 194.1280


 36.4098, 27.1233,
4.6887


 90.8012, 74.3513,
24.6086


 24.9224, 17.6658,
2.0103


 116.7926, 97.6606,
36.6053

 16.1477, 10.7103,
0.5616


 147.3235,
125.3937, 51.9778

 9.7202, 5.8724,
0.0000

 182.7591,
157.9352, 71.1448

 5.2747, 2.7677,
0.0000

 223.4648,
195.6694, 94.5248

 2.4457, 1.0117,
0.0000

 269.8060,

 0.8680, 0.0000,

238.9808, 122.5363

0.0000

322.1481,
288.2536, 155.5978

■ 0.0000, 0.0000,
0.0000

■ 50.9751, 39.4671,
9.0689

■ 50.9751, 39.4671,
9.0689

■ 48.4388, 35.2074,
5.7187

■ 54.1463, 44.4810,
14.2229

■ 46.4692, 31.6486,
3.8894

■ 58.0035, 50.2840,
21.4012

■ 45.9409, 30.6623,
3.4971

■ 62.5945, 56.9156,
30.7942

■ 67.9614, 64.4101,
42.5696

■ 74.1429, 72.7999,
56.8787

81.1747, 82.1155,
73.8602

89.0902, 92.3857,
93.6424

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.



60.7197, 39.4671, 20.7176



50.9751, 39.4671, 9.0689



38.9118, 39.4671, 5.8711

Triad

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



50.9751, 39.4671, 9.0689



19.6429, 39.4671, 39.1341



48.0935, 39.4671, 127.0753

Complementary

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



50.9751, 39.4671, 9.0689



35.5746, 39.5917, 100.3741

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.



36.1468, 39.4671, 140.7142



50.9751, 39.4671, 9.0689



21.1299, 39.4671, 77.2450

Square

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



50.9751, 39.4671, 9.0689



22.0869, 39.4671, 16.7808



26.6568, 39.4671, 119.0918



58.8337, 39.4671, 87.8330

Rectangle

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



50.9751, 39.4671, 9.0689



31.6768, 39.4671, 6.5357



26.6568, 39.4671, 119.0918



44.0238, 39.4671, 135.4530

Sweetspot

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



50.9760, 39.4692, 9.0696



76.7562, 76.2865, 63.1130



51.0285, 27.6779, 45.7620



15.9050, 15.6295, 12.2580



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.



50.9760, 39.4692, 9.0696



47.3612, 33.2946, 4.6109



70.9233, 79.3638, 15.7187



18.6026, 19.1733, 18.8647



24.1412, 16.2937, 1.8726



2.4538, 1.7929, 0.2167

Inverse Universe

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



35.5746, 39.5917, 100.3741



31.2021, 33.0837, 99.3490



22.8611, 14.1646, 96.1362



17.9127, 19.1971, 23.0113



15.5775, 16.0646, 51.7143



1.6236, 1.7778, 5.0709

Previews

White Background



This preview shows how the XYZ color 50.9751, 39.4671, 9.0689 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 50.9751, 39.4671, 9.0689 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 50.9751, 39.4671, 9.0689

Background



This preview shows how black text looks on a background with the XYZ color 50.9751, 39.4671, 9.0689.



This preview shows how white text looks on a background with the XYZ color 50.9751, 39.4671,

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

50.9751, 39.4671, 9.0689

Protanopia

35.9704, 39.4847, 11.1943

Deuteranopia

40.5161, 39.7347, 8.7830



Tritanopia

54.0899, 39.3860, 29.5624

Trichromacy



Original Color

50.9751, 39.4671, 9.0689

Protanomaly

40.1625, 38.4926, 10.3141

Deuteranomaly

43.9127, 39.2263, 8.8714

Tritanomaly

52.4968, 39.1828, 19.8351

Monochromacy



Original Color

50.9751, 39.4671, 9.0689

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 50.9751, 39.4671, 9.0689 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 59) }
```

Border

The CSS property to change the border of an element to XYZ 50.9751, 39.4671, 9.0689 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, 59) }
```


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

```
.border{ border-color:rgb(255, 137, 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, 137, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9751, 39.4671, 9.0689 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, 59) }
```

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

```
.background{ background-color: rgb(255,  
137, 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](#).

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