

Converting Colors

XYZ(54.7891, 40.7494, 14.4961)

Have a look what the booklet for
XYZ(54.7891, 40.7494, 14.4961)
contains.

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Color

**XYZ(51.5683, 39.0315,
14.2671)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8659
RGB	255, 134, 89
RGB Percent	100%, 53%, 35%
CMY	0.0000, 0.4745, 0.6510
CMYK	0.00, 0.47, 0.65, 0.00
HSL	16°, 100%, 67%
HSV	16°, 65%, 100%
XYZ	51.5683, 39.0315, 14.2671
YIQ	165.0490, 86.5610, 11.6570

Conversions

Conversions Part 2

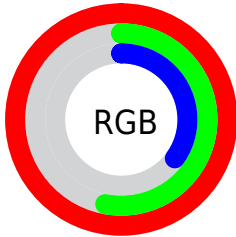
Format	Color
R _Y B	255, 151, 89
Decimal	16746073
CIE Lab	68.77, 42.40, 44.58
CIE LCh	69, 61.522, 46.436
Yxy	39.0315, 0.4918, 0.3722
Android (android.graphics.Color)	4294936153 (0xFFFF8659)
YUV	165.0490, -37.4922, 78.8870
Hunter-Lab	62.4752, 38.0059, 30.1929

Details

The XYZ color **51.5683, 39.0315, 14.2671** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **45.2147, 55.4336, 102.9239**, and the grayscale version is **35.9340, 37.8054, 41.1701**.

A 20% lighter version of the original color is **64.1712, 59.5486, 32.9228**, and **25.3350, 17.3824, 4.1177** is the 20% darker color. If you saturate the color by 10%, you get **48.3300, 33.9823, 8.7884**, and if you desaturate by 10%, it is **55.6306, 45.1361, 21.8498**.

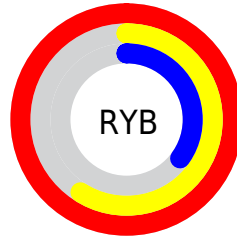
Distribution



Red (100%)

Green (53%)

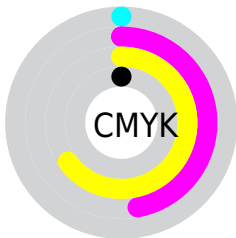
Blue (35%)



Red (100%)

Yellow (59%)

Blue (35%)

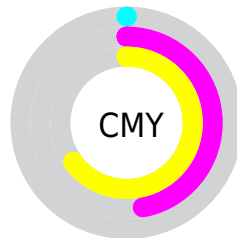


Cyan (0%)

Magenta (47%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5683, 39.0315, 14.2671 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 51.5683, 39.0315, 14.2671 by changing the saturation by 10% instead.


 51.5683, 39.0315,
14.2671


 51.5683, 39.0315,
14.2671


383.1191,
342.0244, 230.3721


 36.8840, 26.7842,
8.1658


 91.6723, 73.6864,
34.2861

 25.2909, 17.4112,
4.1119


 117.8226, 96.8629,
49.0410


 16.4238, 10.5281,
1.6870


 148.5257,
124.4512, 67.5174

 9.9173, 5.7505,
0.3518

 184.1468,
156.8358, 90.1339

 5.4060, 2.6940,
0.0000

 225.0513,
194.4010, 117.3091

 2.5246, 0.9741,
0.0000

271.6047,

 0.9077, 0.0000,

237.5312, 149.4615

0.0000

324.1722,
286.6109, 187.0097

■ 0.0000, 0.0000,
0.0000

■ 51.5683, 39.0315,
14.2671

■ 51.5683, 39.0315,
14.2671

■ 48.3300, 33.9823,
8.7884

■ 55.6306, 45.1361,
21.8498

■ 45.8492, 29.9189,
5.1923

■ 60.5705, 52.3474,
31.7232

■ 44.0514, 26.7719,
3.2099

■ 66.4400, 60.7207,
44.0556

■ 43.3763, 25.5330,
2.6422

■ 73.2859, 70.3056,
58.9988

■ 81.1518, 81.1486,
76.6922

90.0786, 93.2939,
97.2653

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



58.1293, 39.0315, 29.0510



51.5683, 39.0315, 14.2671



41.6688, 39.0315, 8.7650

Triad

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



51.5683, 39.0315, 14.2671



21.7014, 39.0315, 31.1142



42.6568, 39.0315, 117.5468

Complementary

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



51.5683, 39.0315, 14.2671



45.2147, 55.4336, 102.9239

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.



32.8749, 39.0315, 118.9239



51.5683, 39.0315, 14.2671



21.8718, 39.0315, 59.5631

Square

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



51.5683, 39.0315, 14.2671



25.1096, 39.0315, 15.2057



25.6250, 39.0315, 94.4504



52.3999, 39.0315, 91.2480

Rectangle

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



51.5683, 39.0315, 14.2671



35.0372, 39.0315, 8.3668



25.6250, 39.0315, 94.4504



39.2386, 39.0315, 121.2394

Sweetspot

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



51.5692, 39.0336, 14.2678



77.1658, 75.6730, 67.6660



56.5367, 33.0947, 64.8610



16.0517, 15.5549, 13.4412



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.



51.5692, 39.0336, 14.2678



47.5351, 32.7042, 7.5614



67.6672, 71.2296, 19.6338



18.4100, 18.7882, 18.8005



22.7702, 13.5517, 1.4156



2.3030, 1.4914, 0.1665

Inverse Universe

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



45.2147, 55.4336, 102.9239



40.5901, 49.8710, 102.0945



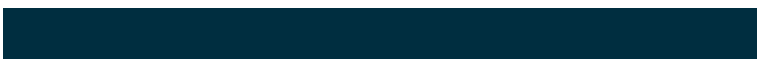
29.8545, 24.7130, 97.8038



18.1139, 19.5994, 23.0783



18.7217, 22.3531, 52.7624



1.9136, 2.3579, 5.1675

Previews

White Background



This preview shows how the XYZ color 51.5683, 39.0315, 14.2671 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 51.5683, 39.0315, 14.2671 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 51.5683, 39.0315, 14.2671

Background



This preview shows how black text looks on a background with the XYZ color 51.5683, 39.0315, 14.2671.



This preview shows how white text looks on a background with the XYZ color 51.5683, 39.0315,

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

51.5683, 39.0315, 14.2671

Protanopia

36.1188, 39.1352, 17.9621

Deuteranopia

39.8643, 39.0315, 13.6164



Tritanopia

53.8101, 39.0602, 28.7480

Trichromacy



Original Color

51.5683, 39.0315, 14.2671

Protanomaly

40.6245, 38.3416, 16.5688

Deuteranomaly

43.4468, 38.6364, 13.7620

Tritanomaly

52.7465, 38.8487, 22.4878

Monochromacy



Original Color

51.5683, 39.0315, 14.2671

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.3597, 36.9231, 28.7193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5683, 39.0315, 14.2671 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, 134, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 89)  
}
```

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, 134, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 89) }
```

Border

The CSS property to change the border of an element to XYZ 51.5683, 39.0315, 14.2671 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, 134, 89) }
```


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

```
.border{ border-color:rgb(255, 134, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5683, 39.0315, 14.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 89) }
```

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

```
.background{ background-color: rgb(255,  
134, 89) }
```

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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