

Converting Colors

XYZ(69.1720, 47.8380, 17.1051)

Have a look what the booklet for
XYZ(69.1720, 47.8380, 17.1051)
contains.

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Color

**XYZ(51.8321, 38.9169,
16.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8562
RGB	255, 133, 98
RGB Percent	100%, 52%, 38%
CMY	0.0000, 0.4784, 0.6157
CMYK	0.00, 0.48, 0.62, 0.00
HSL	13°, 100%, 69%
HSV	13°, 62%, 100%
XYZ	51.8321, 38.9169, 16.3351
YIQ	165.4880, 83.9470, 14.9790

Conversions

Conversions Part 2

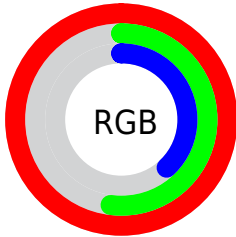
Format	Color
R_{YB}	255, 143, 98
Decimal	16745826
CIE _{Lab}	68.69, 43.45, 39.75
CIE _{LCh}	69, 58.888, 42.451
Yxy	38.9169, 0.4840, 0.3634
Android (android.graphics.Color)	4294935906 (0xFFFF8562)
YUV	165.4880, -33.2716, 78.5020
Hunter-Lab	62.3834, 39.1382, 28.1433

Details

The XYZ color **51.8321, 38.9169, 16.3351** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.6783, 60.9992, 103.8155**, and the grayscale version is **36.1266, 38.0080, 41.3907**.

A 20% lighter version of the original color is **64.6480, 59.3964, 36.4911**, and **25.4367, 17.3051, 5.0172** is the 20% darker color. If you saturate the color by 10%, you get **48.3526, 33.5879, 10.1516**, and if you desaturate by 10%, it is **56.2085, 45.4268, 24.7095**.

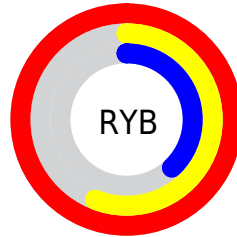
Distribution



Red (100%)

Green (52%)

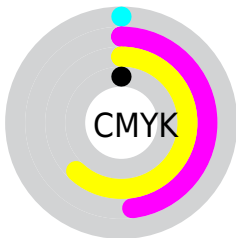
Blue (38%)



Red (100%)

Yellow (56%)

Blue (38%)

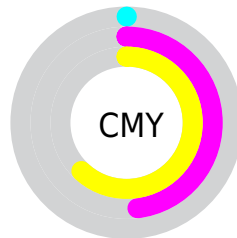


Cyan (0%)

Magenta (48%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8321, 38.9169, 16.3351 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 51.8321, 38.9169, 16.3351 by changing the saturation by 10% instead.


 51.8321, 38.9169,
16.3351


 51.8321, 38.9169,
16.3351


384.1227,
341.5371, 243.2239

 37.0950, 26.6951,
9.6047


 92.0593, 73.5114,
37.9538


 25.4551, 17.3444,
5.0355


 118.2800, 96.6528,
53.6792

 16.5469, 10.4803,
2.2090


 149.0594,
124.2029, 73.2400

 10.0053, 5.7186,
0.6795

 184.7627,
156.5460, 97.0547

 5.4648, 2.6747,
0.0000

225.7554,
194.0666, 125.5420

 2.5600, 0.9644,
0.0000

272.4027,

 0.9256, 0.0000,

237.1491, 159.1202

0.0000

325.0700,
286.1777, 198.2080

■ 0.0000, 0.0000,
0.0000

■ 51.8321, 38.9169,
16.3351

■ 51.8321, 38.9169,
16.3351

■ 48.3526, 33.5879,
10.1516

■ 56.2085, 45.4268,
24.7095

■ 45.7006, 29.3607,
5.9480

■ 61.5385, 53.1776,
35.4551

■ 43.7997, 26.1557,
3.4741

■ 67.8773, 62.2327,
48.7356

■ 42.6959, 24.1722,
2.4154

■ 75.2748, 72.6492,
64.6995

■ 83.7775, 84.4808,
83.4838

93.4291, 97.7782,
105.2163

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.



57.3673, 38.9169, 32.2535



51.8321, 38.9169, 16.3351



42.6535, 38.9169, 9.8795

Triad

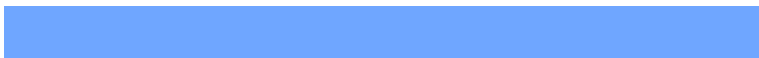
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8321, 38.9169, 16.3351



22.4121, 38.9169, 28.7196



40.9848, 38.9169, 114.7373

Complementary

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



51.8321, 38.9169, 16.3351



48.6783, 60.9992, 103.8155

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.



31.8502, 38.9169, 112.4601



51.8321, 38.9169, 16.3351



22.1183, 38.9169, 54.4167

Square

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



51.8321, 38.9169, 16.3351



26.1747, 38.9169, 14.6862



25.2909, 38.9169, 87.2513



50.4352, 38.9169, 92.5740

Rectangle

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



51.8321, 38.9169, 16.3351



36.2290, 38.9169, 9.0197



25.2909, 38.9169, 87.2513



37.7603, 38.9169, 117.0035

Sweetspot

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



51.8330, 38.9190, 16.3358



78.1799, 76.7062, 71.0718



58.6564, 35.2150, 72.1004



16.2244, 15.7073, 14.0942



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.



51.8330, 38.9190, 16.3358



47.6345, 32.4614, 8.9558



66.6187, 68.4904, 21.2644



18.3378, 18.6438, 18.7764



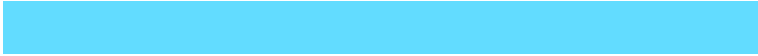
22.3998, 12.8108, 1.2921



2.2581, 1.4015, 0.1515

Inverse Universe

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



48.6783, 60.9992, 103.8155



44.0923, 55.9392, 103.0812



32.8322, 29.3070, 98.5335



18.1911, 19.7538, 23.1040



20.1167, 25.1430, 53.2274



2.0391, 2.6090, 5.2094

Previews

White Background



This preview shows how the XYZ color 51.8321, 38.9169, 16.3351 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 51.8321, 38.9169, 16.3351 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 51.8321, 38.9169, 16.3351

Background



This preview shows how black text looks on a background with the XYZ color 51.8321, 38.9169, 16.3351.



This preview shows how white text looks on a background with the XYZ color 51.8321, 38.9169,

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

51.8321, 38.9169, 16.3351

Protanopia

36.1633, 39.0980, 20.6796

Deuteranopia

39.7234, 38.9111, 15.7729



Tritanopia

53.6777, 38.7955, 28.7039

Trichromacy



Original Color

51.8321, 38.9169, 16.3351

Protanomaly

40.6174, 38.0386, 18.8371

Deuteranomaly

43.4033, 38.3269, 15.9367

Tritanomaly

52.7978, 38.6553, 23.4174

Monochromacy



Original Color

51.8321, 38.9169, 16.3351

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.4877, 36.7113, 30.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8321, 38.9169, 16.3351 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, 133, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 98)  
}
```

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, 133, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 98) }
```

Border

The CSS property to change the border of an element to XYZ 51.8321, 38.9169, 16.3351 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, 133, 98) }
```


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

```
.border{ border-color:rgb(255, 133, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8321, 38.9169, 16.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 98) }
```

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

```
.background{ background-color: rgb(255,  
133, 98) }
```

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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