

Converting Colors

XYZ(64.4717, 44.7805, 17.4397)

Have a look what the booklet for
XYZ(64.4717, 44.7805, 17.4397)
contains.

XYZ(51.5716, 38.1648, 16.9603)	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(51.5716, 38.1648,
16.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8265
RGB	255, 130, 101
RGB Percent	100%, 51%, 40%
CMY	0.0000, 0.4902, 0.6039
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.5716, 38.1648, 16.9603
YIQ	164.0690, 83.8090, 17.4810

Conversions

Conversions Part 2

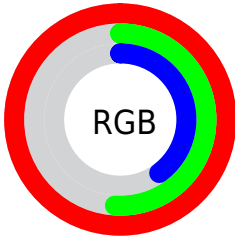
Format	Color
R _Y B	255, 137, 101
Decimal	16745061
CIE Lab	68.14, 45.13, 37.46
CIE LCh	68, 58.654, 39.694
Yxy	38.1648, 0.4833, 0.3577
Android (android.graphics.Color)	4294935141 (0xFFFF8265)
YUV	164.0690, -31.0930, 79.7465
Hunter-Lab	61.7777, 40.8997, 26.9670

Details

The XYZ color **51.5716, 38.1648, 16.9603** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.6113, 64.3756, 104.3656**, and the grayscale version is **35.4359, 37.2814, 40.5994**.

A 20% lighter version of the original color is **64.2565, 58.2249, 37.5576**, and **25.2888, 16.9023, 5.2978** is the 20% darker color. If you saturate the color by 10%, you get **48.0289, 32.7785, 10.5424**, and if you desaturate by 10%, it is **56.0573, 44.8175, 25.6047**.

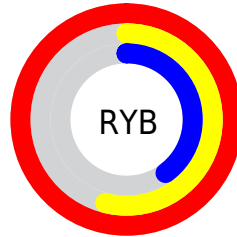
Distribution



Red (100%)

Green (51%)

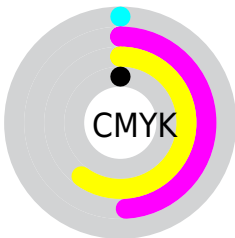
Blue (40%)



Red (100%)

Yellow (54%)

Blue (40%)

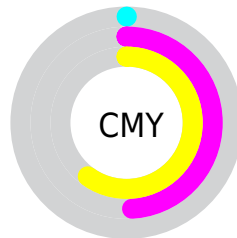


Cyan (0%)

Magenta (49%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5716, 38.1648, 16.9603 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 51.5716, 38.1648, 16.9603 by changing the saturation by 10% instead.


 51.5716, 38.1648,
16.9603


 51.5716, 38.1648,
16.9603


383.1317,
338.3264, 246.9797

 36.8866, 26.1106,
10.0445


 91.6771, 72.3607,
39.0472


 25.2930, 16.9064,
5.3225

 117.8283, 95.2711,
55.0555

 16.4254, 10.1678,
2.3757


 148.5323,
122.5692, 74.9316

 9.9184, 5.5103,
0.7732

 184.1545,
154.6391, 99.0942

 5.4067, 2.5497,
0.0000

225.0602,
191.8654, 127.9617

 2.5250, 0.9014,
0.0000

271.6147,

 0.9079, 0.0000,

234.6325, 161.9528

0.0000

324.1834,
283.3247, 201.4859

■ 0.0000, 0.0000,
0.0000

■ 51.5716, 38.1648,
16.9603

■ 51.5716, 38.1648,
16.9603

■ 48.0289, 32.7785,
10.5424

■ 56.0573, 44.8175,
25.6047

■ 45.3559, 28.5709,
6.1420

■ 61.5463, 52.8047,
36.6547

■ 43.4721, 25.4522,
3.5133

■ 68.0969, 62.1967,
50.2733

■ 42.2980, 23.3763,
2.2827

■ 75.7622, 73.0573,
66.6089

■ 84.5915, 85.4461,
85.7982

94.6312, 99.4193,
107.9689

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.



56.5350, 38.1648, 33.6323



51.5716, 38.1648, 16.9603



42.7312, 38.1648, 9.9429

Triad

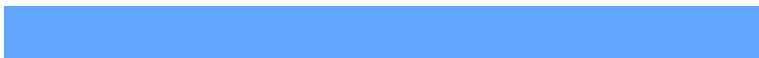
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5716, 38.1648, 16.9603



22.1458, 38.1648, 26.4030



39.3195, 38.1648, 113.6694

Complementary

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



51.5716, 38.1648, 16.9603



50.6113, 64.3756, 104.3656

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.



30.5034, 38.1648, 109.0156



51.5716, 38.1648, 16.9603



21.5451, 38.1648, 50.6334

Square

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



51.5716, 38.1648, 16.9603



26.1550, 38.1648, 13.5860



24.3477, 38.1648, 82.7755



48.7161, 38.1648, 93.6551

Rectangle

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



51.5716, 38.1648, 16.9603



36.3685, 38.1648, 8.7841



24.3477, 38.1648, 82.7755



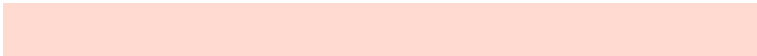
36.1807, 38.1648, 115.0815

Sweetspot

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



51.5725, 38.1668, 16.9610



77.7665, 75.8793, 70.9340



59.7265, 36.1007, 76.3244



16.1252, 15.5089, 14.0611



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.



51.5725, 38.1668, 16.9610



47.5424, 32.0245, 9.7043



65.7164, 66.4546, 21.6756



18.2862, 18.5405, 18.7592



22.1804, 12.3720, 1.2190



2.2297, 1.3448, 0.1420

Inverse Universe

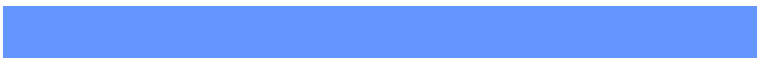
The Inverse Universe completely reimagines the original color for something new.



50.6113, 64.3756, 104.3656



46.3810, 59.9808, 103.7407



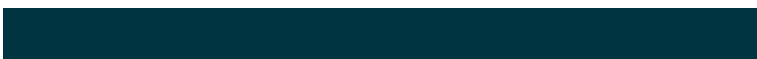
34.2861, 31.7252, 98.9239



18.2469, 19.8655, 23.1227



21.1907, 27.2909, 53.5854



2.1348, 2.8004, 5.2413

Previews

White Background



This preview shows how the XYZ color 51.5716, 38.1648, 16.9603 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 51.5716, 38.1648, 16.9603 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 51.5716, 38.1648, 16.9603

Background



This preview shows how black text looks on a background with the XYZ color 51.5716, 38.1648, 16.9603.



This preview shows how white text looks on a background with the XYZ color 51.5716, 38.1648,

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

51.5716, 38.1648, 16.9603

Protanopia

35.5531, 38.2135, 21.7218

Deuteranopia

39.0923, 38.3190, 16.1624



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

51.5716, 38.1648, 16.9603

Protanomaly

39.9378, 37.1737, 19.8221

Deuteranomaly

42.8718, 37.5725, 16.3019

Tritanomaly

52.5343, 38.1284, 23.3295

Monochromacy



Original Color

51.5716, 38.1648, 16.9603

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

39.0619, 36.2499, 30.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5716, 38.1648, 16.9603 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, 130, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 101)  
}
```

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, 130, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 101) }
```

Border

The CSS property to change the border of an element to XYZ 51.5716, 38.1648, 16.9603 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, 130, 101) }
```


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

```
.border{ border-color:rgb(255, 130, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5716, 38.1648, 16.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 101) }
```

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

```
.background{ background-color: rgb(255,  
130, 101) }
```

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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