

Converting Colors

XYZ(51.8927, 39.1189, 16.1063)

Have a look what the booklet for
XYZ(51.8927, 39.1189, 16.1063)
contains.

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Color

**XYZ(51.9228, 39.1733,
16.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8661
RGB	255, 134, 97
RGB Percent	100%, 53%, 38%
CMY	0.0000, 0.4745, 0.6196
CMYK	0.00, 0.47, 0.62, 0.00
HSL	14°, 100%, 69%
HSV	14°, 62%, 100%
XYZ	51.9228, 39.1733, 16.1338
YIQ	165.9610, 83.9930, 14.1450

Conversions

Conversions Part 2

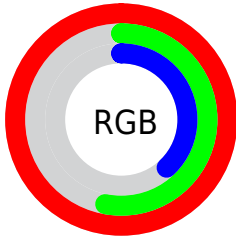
Format	Color
RYB	255, 145, 97
Decimal	16746081
CIELab	68.88, 42.89, 40.51
CIELCh	69, 58.993, 43.363
Yxy	39.1733, 0.4842, 0.3653
Android (android.graphics.Color)	4294936161 (0xFFFF8661)
YUV	165.9610, -33.9978, 78.0872
Hunter-Lab	62.5886, 38.5516, 28.5285

Details

The XYZ color **51.9228, 39.1733, 16.1338** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.0493, 59.9005, 103.6368**, and the grayscale version is **36.3585, 38.2520, 41.6564**.

A 20% lighter version of the original color is **64.7829, 59.7933, 36.1438**, and **25.4891, 17.4441, 4.9293** is the 20% darker color. If you saturate the color by 10%, you get **48.4650, 33.8646, 10.0281**, and if you desaturate by 10%, it is **56.2628, 45.6356, 24.4188**.

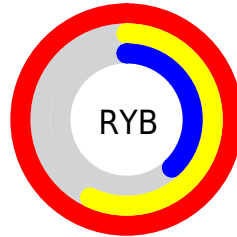
Distribution



Red (100%)

Green (53%)

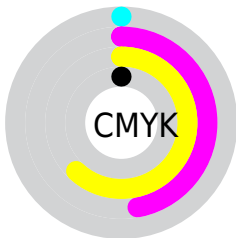
Blue (38%)



Red (100%)

Yellow (57%)

Blue (38%)

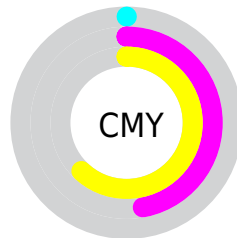


Cyan (0%)

Magenta (47%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9228, 39.1733, 16.1338 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 51.9228, 39.1733, 16.1338 by changing the saturation by 10% instead.


 51.9228, 39.1733,
16.1338


 51.9228, 39.1733,
16.1338


384.4674,
342.6267, 242.0026

 37.1676, 26.8946,
9.4635

 92.1923, 73.9030,
37.6004

 25.5115, 17.4941,
4.9438


 118.4372, 97.1227,
53.2337

 16.5893, 10.5874,
2.1562


 149.2428,
124.7583, 72.6918

 10.0356, 5.7901,
0.6489

 184.9743,
157.1940, 96.3932

 5.4850, 2.7179,
0.0000

225.9972,
194.8143, 124.7564

 2.5722, 0.9863,
0.0000

272.6768,

 0.9318, 0.0000,

238.0036, 158.2000

0.0000

325.3784,
287.1463, 197.1426

■ 0.0000, 0.0000,
0.0000

■ 51.9228, 39.1733,
16.1338

■ 51.9228, 39.1733,
16.1338

■ 48.4650, 33.8646,
10.0281

■ 56.2628, 45.6356,
24.4188

■ 45.8210, 29.6332,
5.8897

■ 61.5408, 53.3092,
35.0636

■ 43.9157, 26.4024,
3.4670

■ 67.8106, 62.2553,
48.2323

■ 42.8414, 24.4630,
2.4638

■ 75.1215, 72.5290,
64.0736

■ 83.5190, 84.1822,
82.7246

93.0461, 97.2638,
104.3130

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.



57.6499, 39.1733, 31.8073



51.9228, 39.1733, 16.1338



42.6316, 39.1733, 9.8611

Triad

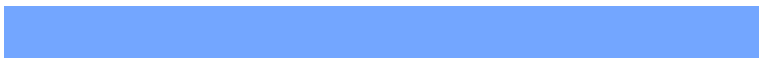
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.9228, 39.1733, 16.1338



22.5045, 39.1733, 29.5234



41.5530, 39.1733, 115.0973

Complementary

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



51.9228, 39.1733, 16.1338



48.0493, 59.9005, 103.6368

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.



32.3107, 39.1733, 113.6252



51.9228, 39.1733, 16.1338



22.3147, 39.1733, 55.7205

Square

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



51.9228, 39.1733, 16.1338



26.1847, 39.1733, 15.0683



25.6135, 39.1733, 88.7795



51.0199, 39.1733, 92.2200

Rectangle

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



51.9228, 39.1733, 16.1338



36.1864, 39.1733, 9.1015



25.6135, 39.1733, 88.7795



38.2997, 39.1733, 117.6508

Sweetspot

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



51.9237, 39.1754, 16.1345



77.4925, 75.8330, 69.2964



58.1869, 34.8785, 70.0865



16.0959, 15.5477, 13.7513



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.



51.9237, 39.1754, 16.1345



47.8620, 32.9165, 9.0317



67.1582, 69.6444, 21.2127



18.3546, 18.6774, 18.7820



22.4794, 12.9700, 1.3187



2.2680, 1.4213, 0.1548

Inverse Universe

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



48.0493, 59.9005, 103.6368



43.5622, 54.8791, 102.9045



32.2319, 28.2655, 98.3643



18.1730, 19.7177, 23.0980



19.7807, 24.4709, 53.1154



2.0090, 2.5488, 5.1993

Previews

White Background



This preview shows how the XYZ color 51.9228, 39.1733, 16.1338 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 51.9228, 39.1733, 16.1338 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 51.9228, 39.1733, 16.1338

Background



This preview shows how black text looks on a background with the XYZ color 51.9228, 39.1733, 16.1338.



This preview shows how white text looks on a background with the XYZ color 51.9228, 39.1733,

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

51.9228, 39.1733, 16.1338

Protanopia

36.3455, 39.1983, 20.4023

Deuteranopia

40.1302, 39.3843, 15.6120



Tritanopia

53.8828, 39.0893, 29.1312

Trichromacy



Original Color

51.9228, 39.1733, 16.1338

Protanomaly

40.7328, 38.3522, 18.6205

Deuteranomaly

43.8275, 38.7887, 15.7667

Tritanomaly

52.9944, 38.9478, 23.7934

Monochromacy



Original Color

51.9228, 39.1733, 16.1338

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.6520, 37.0401, 30.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9228, 39.1733, 16.1338 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 97) }
```

Border

The CSS property to change the border of an element to XYZ 51.9228, 39.1733, 16.1338 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, 97) }
```


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

```
.border{ border-color:rgb(255, 134, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9228, 39.1733, 16.1338 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, 97) }
```

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

```
.background{ background-color: rgb(255,  
134, 97) }
```

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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