

# Converting Colors

XYZ(51.8967, 39.9797, 17.0382)

Have a look what the booklet for  
XYZ(51.8967, 39.9797, 17.0382)  
contains.

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# Color

**XYZ(51.8967, 39.9797,  
17.0382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD8A64
RGB	253, 138, 100
RGB Percent	99%, 54%, 39%
CMY	0.0078, 0.4588, 0.6078
CMYK	0.00, 0.45, 0.60, 0.01
HSL	15°, 97%, 69%
HSV	15°, 60%, 99%
XYZ	51.8967, 39.9797, 17.0382
YIQ	168.0530, 80.7380, 12.5620

# Conversions

## Conversions Part 2

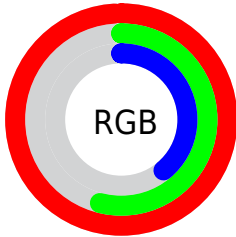
Format	Color
R <sub>Y</sub> B	253, 151, 100
Decimal	16616036
CIE Lab	69.46, 40.33, 39.56
CIE LCh	69, 56.492, 44.451
Yxy	39.9797, 0.4765, 0.3671
Android (android.graphics.Color)	4294806116 (0xFFFD8A64)
YUV	168.0530, -33.5501, 74.4985
Hunter-Lab	63.2295, 35.8553, 28.2840

# Details

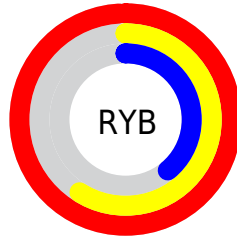
The XYZ color **51.8967, 39.9797, 17.0382** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.2839, 58.3986, 101.7078**, and the grayscale version is **37.3784, 39.3250, 42.8249**.

A 20% lighter version of the original color is **65.9775, 61.6669, 38.1313**, and **25.4335, 17.9799, 5.3788** is the 20% darker color. If you saturate the color by 10%, you get **48.3635, 34.5783, 10.7284**, and if you desaturate by 10%, it is **56.2895, 46.4926, 25.5103**.

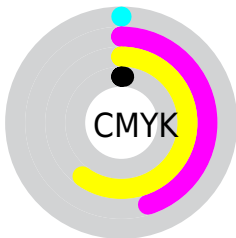
# Distribution



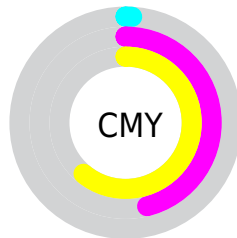
- Red (99%)
- Green (54%)
- Blue (39%)



- Red (99%)
- Yellow (59%)
- Blue (39%)



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)
- Black (1%)




- Cyan (1%)
- Magenta (46%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8967, 39.9797, 17.0382 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 51.8967, 39.9797, 17.0382 by changing the saturation by 10% instead.





 51.8967, 39.9797,  
17.0382


 51.8967, 39.9797,  
17.0382


384.3682,  
346.0380, 247.4438

 37.1467, 27.5227,  
10.0995

 92.1540, 75.1326,  
39.1830


 25.4953, 17.9662,  
5.3585


 118.3920, 98.5973,  
55.2262

 16.5771, 10.9257,  
2.3967

 149.1900,  
126.5000, 75.1412

 10.0269, 6.0169,  
0.7847

 184.9135,  
159.2252, 99.3467

 5.4792, 2.8554,  
0.0000

225.9276,  
197.1572, 128.2612

 2.5687, 1.0567,  
0.0000

272.5979,

 0.9300, 0.0000,

240.6804, 162.3031

0.0000

325.2896,  
290.1792, 201.8912

■ 0.0000, 0.0000,  
0.0000

■ 51.8967, 39.9797,  
17.0382

■ 51.8967, 39.9797,  
17.0382

■ 48.3635, 34.5783,  
10.7284

■ 56.2895, 46.4926,  
25.5103

■ 45.6256, 30.2177,  
6.3782

■ 61.5941, 54.1695,  
36.3181

■ 43.6133, 26.8281,  
3.7494

■ 67.8615, 63.0672,  
49.6196

■ 42.2768, 24.4207,  
2.4854

■ 75.1379, 73.2368,  
65.5584

■ 83.4667, 84.7262,  
84.2672

92.8883, 97.5810,  
105.8695

94.3177, 99.6225,  
108.8657

# Harmonies

## Analogous

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



57.5692, 39.9797, 32.1930



51.8967, 39.9797, 17.0382



42.8816, 39.9797, 10.9164

# Triad

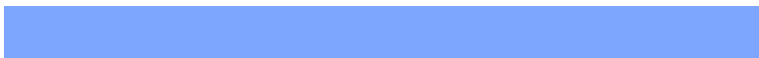
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8967, 39.9797, 17.0382



23.5217, 39.9797, 31.4408



42.5317, 39.9797, 112.2510

# Complementary

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



51.8967, 39.9797, 17.0382



47.2839, 58.3986, 101.7078

# 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.



33.5028, 39.9797, 111.7845



51.8967, 39.9797, 17.0382



23.4588, 39.9797, 57.2605

# Square

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



51.8967, 39.9797, 17.0382



27.0235, 39.9797, 16.6777



26.8352, 39.9797, 88.8550



51.6056, 39.9797, 89.9515



# Rectangle

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



51.8967, 39.9797, 17.0382



36.6588, 39.9797, 10.2613



26.8352, 39.9797, 88.8550



39.3726, 39.9797, 114.9676

# Sweetspot

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



51.8976, 39.9818, 17.0389



78.4862, 77.3187, 71.1739



57.6285, 35.0225, 69.5729



16.2980, 15.8544, 14.1187



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.



51.8976, 39.9818, 17.0389



48.4507, 33.9702, 9.6091



66.4015, 68.9896, 21.8736



18.3759, 18.7200, 18.7891



22.5857, 13.1827, 1.3541



2.2810, 1.4474, 0.1591



# Inverse Universe

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



47.2839, 58.3986, 101.7078



43.2349, 53.9622, 102.7448



32.4807, 28.7923, 96.7734



18.1503, 19.6721, 23.0904



19.3657, 23.6409, 52.9771



1.9717, 2.4742, 5.1869



# Previews

## White Background



This preview shows how the XYZ color 51.8967, 39.9797, 17.0382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

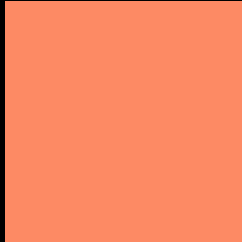
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8967, 39.9797, 17.0382 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 51.8967, 39.9797, 17.0382**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8967, 39.9797, 17.0382.



This preview shows how white text looks on a background with the XYZ color 51.8967, 39.9797,



# 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

51.8967, 39.9797, 17.0382

### Protanopia

37.3069, 40.2336, 21.1288

### Deuteranopia

40.9983, 40.0768, 16.4012



## Tritanopia

54.5100, 39.9881, 30.4367

# Trichromacy



**Original Color**

51.8967, 39.9797, 17.0382

**Protanomaly**

41.5120, 39.2381, 19.5731

**Deuteranomaly**

44.2894, 39.4928, 16.5978

**Tritanomaly**

53.3678, 39.9311, 24.9734

# Monochromacy



**Original Color**

51.8967, 39.9797, 17.0382

**Achromatopsia**

37.2190, 39.1572, 42.6422

**Achromatomaly**

40.5681, 38.2392, 31.2293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8967, 39.9797, 17.0382 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(253, 138, 100)` looks like.

```
.text, #text, p{  
    color:rgb(253, 138, 100)  
}
```

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(253, 138, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 138, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8967, 39.9797, 17.0382 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(253, 138, 100) }
```



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

```
.border{ border-color:rgb(253, 138, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 138, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 138, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 138, 100);  
box-shadow:4px 4px 4px 4px rgb(253, 138,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8967, 39.9797, 17.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 138, 100) }
```

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

```
.background{ background-color: rgb(253,  
138, 100) }
```

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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