

Converting Colors

XYZ(54.3215, 41.0836, 13.4959)

Have a look what the booklet for
XYZ(54.3215, 41.0836, 13.4959)
contains.

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Color

**XYZ(51.7859, 39.7914,
13.3386)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8954
RGB	255, 137, 84
RGB Percent	100%, 54%, 33%
CMY	0.0000, 0.4627, 0.6706
CMYK	0.00, 0.46, 0.67, 0.00
HSL	19°, 100%, 66%
HSV	19°, 67%, 100%
XYZ	51.7859, 39.7914, 13.3386
YIQ	166.2400, 87.3410, 8.5330

Conversions

Conversions Part 2

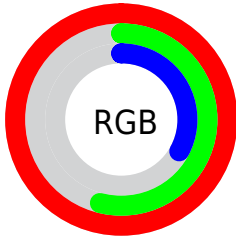
Format	Color
RYB	255, 161, 84
Decimal	16746836
CIELab	69.32, 40.62, 47.77
CIELCh	69, 62.706, 49.631
Yxy	39.7914, 0.4936, 0.3793
Android (android.graphics.Color)	4294936916 (0xFFFF8954)
YUV	166.2400, -40.5443, 77.8425
Hunter-Lab	63.0804, 36.1489, 31.6192

Details

The XYZ color **51.7859, 39.7914, 13.3386** 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 **42.8252, 51.3428, 102.2602**, and the grayscale version is **36.5233, 38.4253, 41.8452**.

A 20% lighter version of the original color is **64.4628, 60.7085, 31.2420**, and **25.5442, 17.9558, 3.7096** is the 20% darker color. If you saturate the color by 10%, you get **48.6623, 34.8625, 8.2346**, and if you desaturate by 10%, it is **55.6826, 45.6857, 20.4934**.

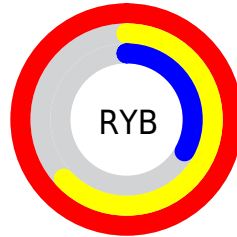
Distribution



Red (100%)

Green (54%)

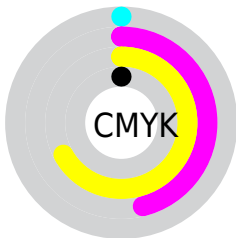
Blue (33%)



Red (100%)

Yellow (63%)

Blue (33%)

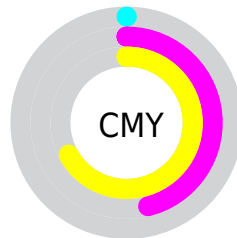


Cyan (0%)

Magenta (46%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7859, 39.7914, 13.3386 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 51.7859, 39.7914, 13.3386 by changing the saturation by 10% instead.

51.7859, 39.7914,
13.3386

51.7859, 39.7914,
13.3386

383.9471,
345.2436, 224.3600

37.0580, 27.3759,
7.5287

91.9915, 74.8458,
32.6108

25.4263, 17.8558,
3.7114

118.2000, 98.2535,
46.9102

16.5254, 10.8465,
1.4684

148.9660,
126.0940, 64.8764

9.9899, 5.9637,
0.1942

184.6549,
158.7518, 86.9281

5.4545, 2.8230,
0.0000

225.6321,
196.6113, 113.4838

2.5538, 1.0400,
0.0000

272.2630,

0.9225, 0.0000,

240.0568, 144.9619

0.0000

324.9129,
289.4728, 181.7812

■ 0.0000, 0.0000,
0.0000

■ 51.7859, 39.7914,
13.3386

■ 51.7859, 39.7914,
13.3386

■ 48.6623, 34.8625,
8.2346

■ 55.6826, 45.6857,
20.4934

■ 46.2477, 30.8365,
4.9535

■ 60.4034, 52.5899,
29.8895

■ 44.4684, 27.6514,
3.2089

■ 65.9978, 60.5533,
41.6977

■ 44.0390, 26.8583,
2.8631

■ 72.5101, 69.6197,
56.0714

■ 79.9817, 79.8305,
73.1514

88.4512, 91.2247,
93.0680

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.



59.1250, 39.7914, 27.2506



51.7859, 39.7914, 13.3386



41.4106, 39.7914, 8.4839

Triad

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



51.7859, 39.7914, 13.3386



21.8038, 39.7914, 34.0992



44.6994, 39.7914, 119.2669

Complementary

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



51.7859, 39.7914, 13.3386



42.8252, 51.3428, 102.2602

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.



34.4442, 39.7914, 123.8730



51.7859, 39.7914, 13.3386



22.3687, 39.7914, 64.7329

Square

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



51.7859, 39.7914, 13.3386



24.9129, 39.7914, 16.4358



26.6229, 39.7914, 100.7321



54.5576, 39.7914, 90.0327

Rectangle

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



51.7859, 39.7914, 13.3386



34.6754, 39.7914, 8.4421



26.6229, 39.7914, 100.7321



41.1503, 39.7914, 124.1229

Sweetspot

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



51.7868, 39.7935, 13.3393



77.6822, 76.7058, 67.8382



55.2733, 31.9460, 60.1913



16.1739, 15.7994, 13.4820



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.



51.7868, 39.7935, 13.3393



47.8815, 33.5870, 7.0913



68.6437, 73.5073, 18.9583



18.4686, 18.9055, 18.8200



23.1274, 14.2660, 1.5347



2.3441, 1.5736, 0.1802

Inverse Universe

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



42.8252, 51.3428, 102.2602



38.2131, 45.5195, 101.3798



28.2084, 22.1092, 97.3879



18.0519, 19.4755, 23.0577



17.6782, 20.2659, 52.4146



1.8186, 2.1678, 5.1359

Previews

White Background



This preview shows how the XYZ color 51.7859, 39.7914, 13.3386 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 51.7859, 39.7914, 13.3386 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 51.7859, 39.7914, 13.3386

Background



This preview shows how black text looks on a background with the XYZ color 51.7859, 39.7914, 13.3386.



This preview shows how white text looks on a background with the XYZ color 51.7859, 39.7914,

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

51.7859, 39.7914, 13.3386

Protanopia

36.6900, 40.0148, 16.6163

Deuteranopia

40.6984, 39.7414, 12.7336



Tritanopia

54.2990, 39.6856, 29.9975

Trichromacy



Original Color

51.7859, 39.7914, 13.3386

Protanomaly

40.9792, 39.0579, 15.2766

Deuteranomaly

44.0402, 39.2044, 12.8355

Tritanomaly

53.1553, 39.6663, 22.6241

Monochromacy



Original Color

51.7859, 39.7914, 13.3386

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.4540, 37.2260, 28.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7859, 39.7914, 13.3386 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, 137, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 84)  
}
```

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, 137, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 84) }
```

Border

The CSS property to change the border of an element to XYZ 51.7859, 39.7914, 13.3386 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, 137, 84) }
```


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

```
.border{ border-color:rgb(255, 137, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7859, 39.7914, 13.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 84) }
```

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

```
.background{ background-color: rgb(255,  
137, 84) }
```

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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