

Converting Colors

XYZ(51.6720, 39.5338, 13.3957)

Have a look what the booklet for
XYZ(51.6720, 39.5338, 13.3957)
contains.

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Color

**XYZ(51.6444, 39.5084,
13.2914)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8854
RGB	255, 136, 84
RGB Percent	100%, 53%, 33%
CMY	0.0000, 0.4666, 0.6706
CMYK	0.00, 0.47, 0.67, 0.00
HSL	18°, 100%, 66%
HSV	18°, 67%, 100%
XYZ	51.6444, 39.5084, 13.2914
YIQ	165.6530, 87.6160, 9.0560

Conversions

Conversions Part 2

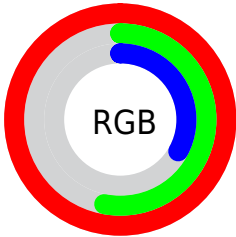
Format	Color
RYB	255, 159, 84
Decimal	16746580
CIELab	69.12, 41.12, 47.54
CIElCh	69, 62.856, 49.145
Yxy	39.5084, 0.4945, 0.3783
Android (android.graphics.Color)	4294936660 (0xFFFF8854)
YUV	165.6530, -40.2549, 78.3573
Hunter-Lab	62.8557, 36.6642, 31.4616

Details

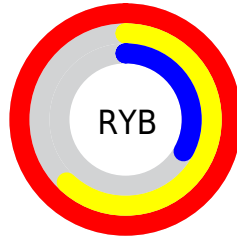
The XYZ color **51.6444, 39.5084, 13.2914** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.0605, 51.8135, 102.3387**, and the grayscale version is **36.2376, 38.1248, 41.5179**.

A 20% lighter version of the original color is **64.2440, 60.2709, 31.1691**, and **25.4660, 17.7995, 3.6835** is the 20% darker color. If you saturate the color by 10%, you get **48.5258, 34.5895, 8.1891**, and if you desaturate by 10%, it is **55.5419, 45.4044, 20.4465**.

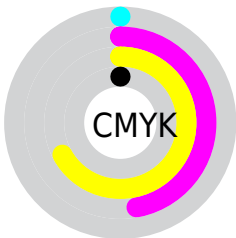
Distribution



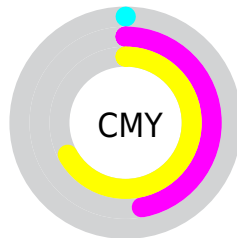
- Red (100%)
- Green (53%)
- Blue (33%)



- Red (100%)
- Yellow (62%)
- Blue (33%)



- Cyan (0%)
- Magenta (47%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6444, 39.5084, 13.2914 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 51.6444, 39.5084, 13.2914 by changing the saturation by 10% instead.

51.6444, 39.5084,
13.2914

51.6444, 39.5084,
13.2914

383.4088,
344.0472, 224.0499

36.9448, 27.1555,
7.4964

91.7839, 74.4143,
32.5251

25.3383, 17.6900,
3.6913

117.9546, 97.7361,
46.8010

16.4593, 10.7277,
1.4576

148.6797,
125.4830, 64.7409

9.9427, 5.8840,
0.1860

184.3246,
158.0393, 86.7634

5.4229, 2.7747,
0.0000

225.2545,
195.7895, 113.2870

2.5348, 1.0153,
0.0000

271.8350,

0.9128, 0.0000,

239.1179, 144.7302

0.0000

324.4313,
288.4090, 181.5117

■ 0.0000, 0.0000,
0.0000

■ 51.6444, 39.5084,
13.2914

■ 51.6444, 39.5084,
13.2914

■ 48.5258, 34.5895,
8.1891

■ 55.5419, 45.4044,
20.4465

■ 46.1214, 30.5839,
4.9114

■ 60.2700, 52.3231,
29.8450


■ 44.3569, 27.4283,
3.1717

■ 65.8785, 60.3147,
41.6578

■ 43.9326, 26.6455,
2.8276

■ 72.4122, 69.4239,
56.0387

■ 79.9130, 79.6930,
73.1284

 88.4197, 91.1618,
93.0574

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.



58.8944, 39.5084, 27.3170



51.6444, 39.5084, 13.2914



41.3047, 39.5084, 8.3655

Triad

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



51.6444, 39.5084, 13.2914



21.6071, 39.5084, 33.4257



44.2437, 39.5084, 119.2126

Complementary

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



51.6444, 39.5084, 13.2914



43.0605, 51.8135, 102.3387

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.



34.0330, 39.5084, 123.3399



51.6444, 39.5084, 13.2914



22.1105, 39.5084, 63.8117

Square

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



51.6444, 39.5084, 13.2914



24.7634, 39.5084, 16.0448



26.2885, 39.5084, 99.8325



54.1231, 39.5084, 90.2517

Rectangle

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



51.6444, 39.5084, 13.2914



34.5668, 39.5084, 8.2697



26.2885, 39.5084, 99.8325



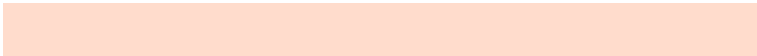
40.7034, 39.5084, 123.9187

Sweetspot

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



51.6453, 39.5105, 13.2921



77.6041, 76.5496, 67.8121



55.2733, 31.9460, 60.1912



16.1554, 15.7624, 13.4758



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.



51.6453, 39.5105, 13.2921



47.7475, 33.3189, 7.0466



68.6437, 73.5072, 18.9582



18.4598, 18.8878, 18.8171



23.0702, 14.1516, 1.5156



2.3376, 1.5606, 0.1780

Inverse Universe

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



43.0605, 51.8135, 102.3387



38.4756, 46.0446, 101.4674



28.2083, 22.1091, 97.3880



18.0612, 19.4941, 23.0608



17.8306, 20.5708, 52.4654



1.8325, 2.1957, 5.1405

Previews

White Background



This preview shows how the XYZ color 51.6444, 39.5084, 13.2914 looks on a white background.

Color Contrast Check

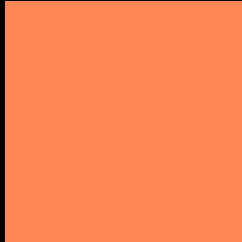
Large Text (above 18pt) WCAG AA × Fail

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 51.6444, 39.5084, 13.2914 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 51.6444, 39.5084, 13.2914

Background



This preview shows how black text looks on a background with the XYZ color 51.6444, 39.5084, 13.2914.



This preview shows how white text looks on a background with the XYZ color 51.6444, 39.5084,

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

51.6444, 39.5084, 13.2914

Protanopia

36.5032, 39.6413, 16.5541

Deuteranopia

40.4145, 39.5951, 12.7203



Tritanopia

54.0899, 39.3860, 29.5624

Trichromacy



Original Color

51.6444, 39.5084, 13.2914

Protanomaly

40.8093, 38.7182, 15.2200

Deuteranomaly

44.0402, 39.2044, 12.8355

Tritanomaly

53.0177, 39.3911, 22.5782

Monochromacy



Original Color

51.6444, 39.5084, 13.2914

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 51.6444, 39.5084, 13.2914 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, 136, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 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, 136, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 84) }
```

Border

The CSS property to change the border of an element to XYZ 51.6444, 39.5084, 13.2914 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, 136, 84) }
```


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

```
.border{ border-color:rgb(255, 136, 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, 136, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6444, 39.5084, 13.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 84) }
```

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

```
.background{ background-color: rgb(255,  
136, 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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