

Converting Colors

XYZ(51.5699, 39.3490, 13.3010)

Have a look what the booklet for
XYZ(51.5699, 39.3490, 13.3010)
contains.

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Color

**XYZ(51.5042, 39.2280,
13.2447)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8754
RGB	255, 135, 84
RGB Percent	100%, 53%, 33%
CMY	0.0000, 0.4706, 0.6706
CMYK	0.00, 0.47, 0.67, 0.00
HSL	18°, 100%, 66%
HSV	18°, 67%, 100%
XYZ	51.5042, 39.2280, 13.2447
YIQ	165.0660, 87.8910, 9.5790

Conversions

Conversions Part 2

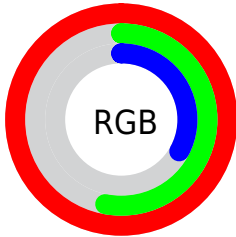
Format	Color
R _Y B	255, 157, 84
Decimal	16746324
CIE Lab	68.92, 41.62, 47.31
CIE LCh	69, 63.010, 48.663
Yxy	39.2280, 0.4953, 0.3773
Android (android.graphics.Color)	4294936404 (0xFFFF8754)
YUV	165.0660, -39.9655, 78.8721
Hunter-Lab	62.6323, 37.1789, 31.3047

Details

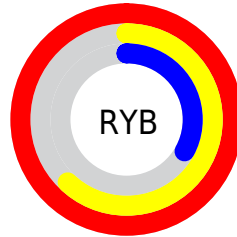
The XYZ color **51.5042, 39.2280, 13.2447** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.2975, 52.2874, 102.4177**, and the grayscale version is **35.9532, 37.8255, 41.1920**.

A 20% lighter version of the original color is **64.0266, 59.8362, 31.0966**, and **25.3889, 17.6453, 3.6579** is the 20% darker color. If you saturate the color by 10%, you get **48.3909, 34.3197, 8.1441**, and if you desaturate by 10%, it is **55.4023, 45.1250, 20.4000**.

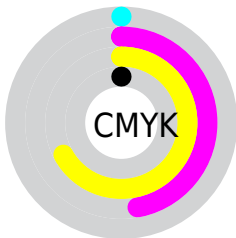
Distribution



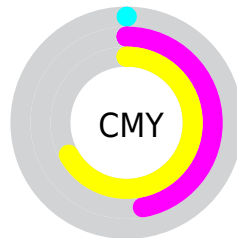
- Red (100%)
- Green (53%)
- Blue (33%)



- 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 51.5042, 39.2280, 13.2447 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 51.5042, 39.2280, 13.2447 by changing the saturation by 10% instead.

51.5042, 39.2280,
13.2447

51.5042, 39.2280,
13.2447

382.8750,
342.8589, 223.7426

36.8327, 26.9371,
7.4646

91.5782, 73.9865,
32.4403

25.2511, 17.5260,
3.6715

117.7114, 97.2229,
46.6929

16.3939, 10.6102,
1.4469

148.3959,
124.8767, 64.6066

9.8960, 5.8054,
0.1779

183.9970,
157.3321, 86.6002

5.3918, 2.7271,
0.0000

224.8801,
194.9737, 113.0920

2.5160, 0.9910,
0.0000

271.4106,

0.9033, 0.0000,

238.1857, 144.5006

0.0000

323.9538,
287.3527, 181.2447

■ 0.0000, 0.0000,
0.0000

■ 51.5042, 39.2280,
13.2447

■ 51.5042, 39.2280,
13.2447

■ 48.3909, 34.3197,
8.1441

■ 55.4023, 45.1250,
20.4000

■ 45.9970, 30.3352,
4.8699

■ 60.1373, 52.0577,
29.8008

■ 44.2476, 27.2098,
3.1353

■ 65.7596, 60.0770,
41.6183

■ 43.8285, 26.4374,
2.7929

■ 72.3146, 69.2287,
56.0062

■ 79.8444, 79.5558,
73.1056

88.3883, 91.0990,
93.0470

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.



58.6657, 39.2280, 27.3839



51.5042, 39.2280, 13.2447



41.1998, 39.2280, 8.2486

Triad

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



51.5042, 39.2280, 13.2447



21.4123, 39.2280, 32.7633



43.7928, 39.2280, 119.1598

Complementary

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



51.5042, 39.2280, 13.2447



43.2975, 52.2874, 102.4177

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.



33.6265, 39.2280, 122.8111



51.5042, 39.2280, 13.2447



21.8553, 39.2280, 62.9023

Square

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



51.5042, 39.2280, 13.2447



24.6152, 39.2280, 15.6613



25.9581, 39.2280, 98.9416



53.6926, 39.2280, 90.4716

Rectangle

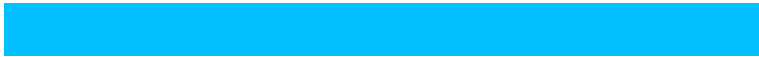
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5042, 39.2280, 13.2447



34.4591, 39.2280, 8.1003



25.9581, 39.2280, 98.9416



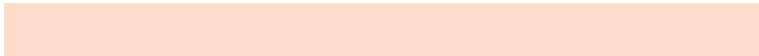
40.2614, 39.2280, 123.7167

Sweetspot

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



51.5051, 39.2301, 13.2454



77.5261, 76.3936, 67.7861



55.6177, 32.0838, 62.0049



16.1369, 15.7255, 13.4696



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.



51.5051, 39.2301, 13.2454



47.6152, 33.0543, 7.0025



67.8985, 72.0168, 18.7098



18.4510, 18.8701, 18.8142



23.0142, 14.0397, 1.4970



2.3313, 1.5479, 0.1759

Inverse Universe

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



43.2975, 52.2874, 102.4177



38.7404, 46.5741, 101.5556



28.5498, 22.7920, 97.5018



18.0706, 19.5127, 23.0639



17.9847, 20.8790, 52.5167



1.8466, 2.2239, 5.1452

Previews

White Background



This preview shows how the XYZ color 51.5042, 39.2280, 13.2447 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 51.5042, 39.2280, 13.2447 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 51.5042, 39.2280, 13.2447

Background



This preview shows how black text looks on a background with the XYZ color 51.5042, 39.2280, 13.2447.



This preview shows how white text looks on a background with the XYZ color 51.5042, 39.2280,

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

51.5042, 39.2280, 13.2447

Protanopia

36.2611, 39.5164, 16.5427

Deuteranopia

39.9584, 39.1016, 12.6491



Tritanopia

53.8828, 39.0893, 29.1312

Trichromacy



Original Color

51.5042, 39.2280, 13.2447

Protanomaly

40.5236, 38.5709, 15.2066

Deuteranomaly

43.5659, 38.7200, 12.7669

Tritanomaly

52.8210, 39.0944, 22.2148

Monochromacy



Original Color

51.5042, 39.2280, 13.2447

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.2882, 36.8945, 28.3432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5042, 39.2280, 13.2447 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, 135, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 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, 135, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 84) }
```

Border

The CSS property to change the border of an element to XYZ 51.5042, 39.2280, 13.2447 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, 135, 84) }
```


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

```
.border{ border-color:rgb(255, 135, 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, 135, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5042, 39.2280, 13.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 84) }
```

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

```
.background{ background-color: rgb(255,  
135, 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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