

Converting Colors

XYZ(51.7453, 39.5372, 13.8587)

Have a look what the booklet for
XYZ(51.7453, 39.5372, 13.8587)
contains.

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Color

**XYZ(51.7645, 39.5564,
13.9237)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8857
RGB	255, 136, 87
RGB Percent	100%, 53%, 34%
CMY	0.0000, 0.4666, 0.6588
CMYK	0.00, 0.47, 0.66, 0.00
HSL	18°, 100%, 67%
HSV	18°, 66%, 100%
XYZ	51.7645, 39.5564, 13.9237
YIQ	165.9950, 86.6530, 9.9890

Conversions

Conversions Part 2

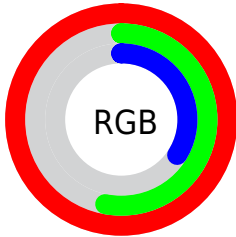
Format	Color
R_{YB}	255, 156, 87
Decimal	16746583
CIE _{Lab}	69.15, 41.28, 46.05
CIE _{LCh}	69, 61.849, 48.125
Yxy	39.5564, 0.4918, 0.3759
Android (android.graphics.Color)	4294936663 (0xFFFF8857)
YUV	165.9950, -38.9445, 78.0574
Hunter-Lab	62.8939, 36.8493, 30.8999

Details

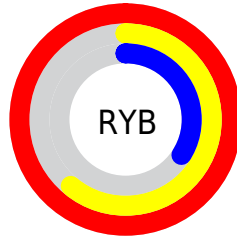
The XYZ color **51.7645, 39.5564, 13.9237** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.0503, 53.3859, 102.5901**, and the grayscale version is **36.3972, 38.2927, 41.7007**.

A 20% lighter version of the original color is **64.4582, 60.3566, 32.2974**, and **25.5289, 17.8246, 4.0144** is the 20% darker color. If you saturate the color by 10%, you get **48.5678, 34.5464, 8.5944**, and if you desaturate by 10%, it is **55.7595, 45.5750, 21.3341**.

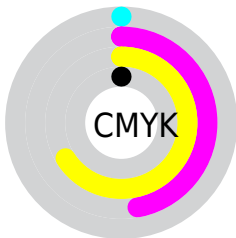
Distribution



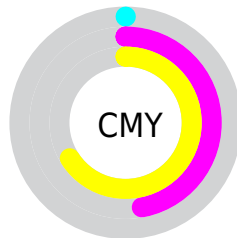
- Red (100%)
- Green (53%)
- Blue (34%)



- Red (100%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (47%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7645, 39.5564, 13.9237 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 51.7645, 39.5564, 13.9237 by changing the saturation by 10% instead.


 51.7645, 39.5564,
13.9237


 51.7645, 39.5564,
13.9237


383.8657,
344.2503, 228.1675

 37.0409, 27.1928,
7.9295


 91.9601, 74.4875,
33.6688

 25.4130, 17.7181,
3.9627


 118.1629, 97.8239,
48.2567


 16.5154, 10.7478,
1.6049


 148.9227,
125.5867, 66.5462

 9.9827, 5.8975,
0.2943

 184.6050,
158.1603, 88.9560

 5.4497, 2.7829,
0.0000

 225.5751,
195.9290, 115.9044

 2.5509, 1.0194,
0.0000

272.1983,

 0.9210, 0.0000,

239.2773, 147.8101

0.0000

324.8401,
288.5896, 185.0917

■ 0.0000, 0.0000,
0.0000

■ 51.7645, 39.5564,
13.9237

■ 51.7645, 39.5564,
13.9237

■ 48.5678, 34.5464,
8.5944

■ 55.7595, 45.5750,
21.3341

■ 46.1044, 30.4795,
5.1224

■ 60.6048, 52.6497,
31.0135

■ 44.3014, 27.2909,
3.2344

■ 66.3508, 60.8324,
43.1312

■ 43.7144, 26.2090,
2.7548

■ 73.0430, 70.1696,
57.8393

■ 80.7237, 80.7048,
75.2776

89.4323, 92.4794,
95.5759

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.



58.7076, 39.5564, 28.2587



51.7645, 39.5564, 13.9237



41.6453, 39.5564, 8.7446

Triad

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



51.7645, 39.5564, 13.9237



21.8961, 39.5564, 32.8123



43.8253, 39.5564, 118.2777

Complementary

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



51.7645, 39.5564, 13.9237



44.0503, 53.3859, 102.5901

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.



33.8202, 39.5564, 121.3157



51.7645, 39.5564, 13.9237



22.2723, 39.5564, 62.3202

Square

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



51.7645, 39.5564, 13.9237



25.1464, 39.5564, 15.9956



26.2839, 39.5564, 97.6443



53.5994, 39.5564, 90.5791

Rectangle

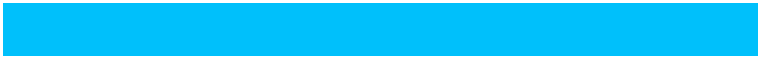
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.7645, 39.5564, 13.9237



34.9743, 39.5564, 8.5327



26.2839, 39.5564, 97.6443



40.3480, 39.5564, 122.5534

Sweetspot

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



51.7654, 39.5585, 13.9244



77.4385, 76.2185, 67.7569



55.9596, 32.6012, 62.6316



16.1162, 15.6840, 13.4627



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.



51.7654, 39.5585, 13.9244



47.7242, 33.1799, 7.3239



68.1875, 72.4026, 19.3984



18.4410, 18.8502, 18.8108



22.9527, 13.9167, 1.4765



2.3242, 1.5338, 0.1736

Inverse Universe

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



44.0503, 53.3859, 102.5901



39.3405, 47.5783, 101.7178



29.1134, 23.5120, 97.6112



18.0810, 19.5337, 23.0674



18.1600, 21.2296, 52.5752



1.8626, 2.2559, 5.1505

Previews

White Background



This preview shows how the XYZ color 51.7645, 39.5564, 13.9237 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 51.7645, 39.5564, 13.9237 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 51.7645, 39.5564, 13.9237

Background



This preview shows how black text looks on a background with the XYZ color 51.7645, 39.5564, 13.9237.



This preview shows how white text looks on a background with the XYZ color 51.7645, 39.5564,

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

51.7645, 39.5564, 13.9237

Protanopia

36.4477, 39.5911, 17.5252

Deuteranopia

40.5624, 39.6542, 13.4988



Tritanopia

54.2249, 39.6560, 29.6073

Trichromacy



Original Color

51.7645, 39.5564, 13.9237

Protanomaly

40.7009, 38.6418, 16.1399

Deuteranomaly

44.1925, 39.2653, 13.6373

Tritanomaly

53.0787, 39.4155, 22.8996

Monochromacy



Original Color

51.7645, 39.5564, 13.9237

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.5254, 37.2546, 28.7746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7645, 39.5564, 13.9237 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 87) }
```

Border

The CSS property to change the border of an element to XYZ 51.7645, 39.5564, 13.9237 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, 87) }
```


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

```
.border{ border-color:rgb(255, 136, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7645, 39.5564, 13.9237 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
136, 87) }
```

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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