

Converting Colors

XYZ(57.1040, 42.6067, 12.4037)

Have a look what the booklet for
XYZ(57.1040, 42.6067, 12.4037)
contains.

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Color

**XYZ(51.5608, 39.7014,
12.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	FF894E
RGB	255, 137, 78
RGB Percent	100%, 54%, 31%
CMY	0.0000, 0.4627, 0.6941
CMYK	0.00, 0.46, 0.69, 0.00
HSL	20°, 100%, 65%
HSV	20°, 69%, 100%
XYZ	51.5608, 39.7014, 12.1533
YIQ	165.5560, 89.2670, 6.6670

Conversions

Conversions Part 2

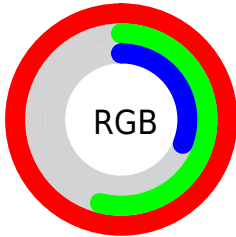
Format	Color
R_{YB}	255, 167, 78
Decimal	16746830
CIE Lab	69.26, 40.30, 50.70
CIE LCh	69, 64.764, 51.518
Yxy	39.7014, 0.4986, 0.3839
Android (android.graphics.Color)	4294936910 (0xFFFF894E)
YUV	165.5560, -43.1651, 78.4424
Hunter-Lab	63.0090, 35.8021, 32.6704

Details

The XYZ color **51.5608, 39.7014, 12.1533** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **40.9303, 48.3164, 101.7758**, and the grayscale version is **36.2038, 38.0892, 41.4792**.

A 20% lighter version of the original color is **64.0521, 60.5443, 29.0792**, and **25.1963, 17.7873, 3.2039** is the 20% darker color. If you saturate the color by 10%, you get **48.5885, 34.9474, 7.4930**, and if you desaturate by 10%, it is **55.2699, 45.3627, 18.8072**.

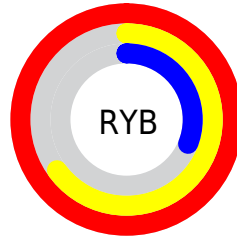
Distribution



Red (100%)

Green (54%)

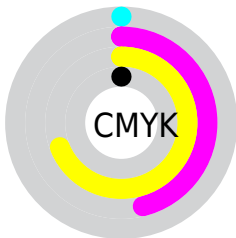
Blue (31%)



Red (100%)

Yellow (65%)

Blue (31%)

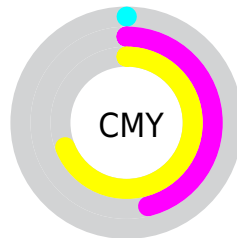


Cyan (0%)

Magenta (46%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5608, 39.7014, 12.1533 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 51.5608, 39.7014, 12.1533 by changing the saturation by 10% instead.


 51.5608, 39.7014,
12.1533

 51.5608, 39.7014,
12.1533


383.0906,
344.8634, 216.4314


 36.8780, 27.3058,
6.7244


 91.6613, 74.7086,
30.4426

 25.2863, 17.8030,
3.2145


 117.8096, 98.0890,
44.1400


 16.4203, 10.8087,
1.2052

 148.5105,
125.8998, 61.4306

 9.9148, 5.9383,
0.0000

 184.1293,
158.5254, 82.7331

 5.4043, 2.8076,
0.0000

 225.0313,
196.3501, 108.4658

 2.5236, 1.0321,
0.0000

271.5820,

 0.9072, 0.0000,

239.7584, 139.0474

0.0000

324.1466,
289.1347, 174.8964

■ 0.0000, 0.0000,
0.0000

■ 51.5608, 39.7014,
12.1533

■ 51.5608, 39.7014,
12.1533

■ 48.5885, 34.9474,
7.4930

■ 55.2699, 45.3627,
18.8072

■ 46.2888, 31.0415,
4.5889

■ 59.7663, 51.9729,
27.6512


■ 44.5766, 27.9205,
3.0829

■ 65.0986, 59.5782,
38.8600

■ 44.4890, 27.7584,
3.0131

■ 71.3103, 68.2196,
52.5900

■ 78.4418, 77.9358,
68.9842

 86.5307, 88.7634,
88.1747

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



59.5044, 39.7014, 25.4745



51.5608, 39.7014, 12.1533



40.7547, 39.7014, 7.7648

Triad

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



51.5608, 39.7014, 12.1533



21.2421, 39.7014, 35.3366



45.5362, 39.7014, 121.1469

Complementary

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



51.5608, 39.7014, 12.1533



40.9303, 48.3164, 101.7758

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.



34.8683, 39.7014, 127.9444



51.5608, 39.7014, 12.1533



22.0515, 39.7014, 67.7557

Square

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



51.5608, 39.7014, 12.1533



24.1729, 39.7014, 16.5305



26.6321, 39.7014, 105.1558



55.6063, 39.7014, 89.4211

Rectangle

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



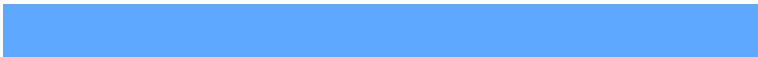
51.5608, 39.7014, 12.1533



33.8897, 39.7014, 7.9335



26.6321, 39.7014, 105.1558



41.8607, 39.7014, 126.8634

Sweetspot

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



51.5617, 39.7035, 12.1540



77.2461, 76.3191, 66.1960



53.9280, 30.6944, 55.3069



16.1011, 15.7481, 13.1671



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.



51.5617, 39.7035, 12.1540



47.6895, 33.4510, 6.2625



69.6754, 75.9309, 18.1919



18.5041, 18.9763, 18.8319



23.3685, 14.7483, 1.6151



2.3710, 1.6273, 0.1891

Inverse Universe

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



40.9303, 48.3164, 101.7758



36.2934, 42.2059, 100.8414



26.5020, 19.4600, 96.9664



18.0148, 19.4012, 23.0453



17.0846, 19.0789, 52.2167



1.7640, 2.0588, 5.1177

Previews

White Background



This preview shows how the XYZ color 51.5608, 39.7014, 12.1533 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 51.5608, 39.7014, 12.1533 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 51.5608, 39.7014, 12.1533

Background



This preview shows how black text looks on a background with the XYZ color 51.5608, 39.7014, 12.1533.



This preview shows how white text looks on a background with the XYZ color 51.5608, 39.7014,

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

51.5608, 39.7014, 12.1533

Protanopia

36.6297, 40.0188, 15.0263

Deuteranopia

40.4929, 39.6593, 11.6517



Tritanopia

54.2990, 39.6856, 29.9975

Trichromacy



Original Color

51.5608, 39.7014, 12.1533

Protanomaly

40.9785, 39.0909, 13.7730

Deuteranomaly

43.8283, 39.1196, 11.7194

Tritanomaly

53.0351, 39.6182, 21.9914

Monochromacy



Original Color

51.5608, 39.7014, 12.1533

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.3131, 37.1697, 27.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5608, 39.7014, 12.1533 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 78) }
```

Border

The CSS property to change the border of an element to XYZ 51.5608, 39.7014, 12.1533 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, 78) }
```


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

```
.border{ border-color:rgb(255, 137, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5608, 39.7014, 12.1533 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
137, 78) }
```

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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