

Converting Colors

XYZ(51.2631, 39.1910, 11.7920)

Have a look what the booklet for
XYZ(51.2631, 39.1910, 11.7920)
contains.

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Color

**XYZ(51.2435, 39.1238,
11.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	FF874D
RGB	255, 135, 77
RGB Percent	100%, 53%, 30%
CMY	0.0000, 0.4706, 0.6980
CMYK	0.00, 0.47, 0.70, 0.00
HSL	20°, 100%, 65%
HSV	20°, 70%, 100%
XYZ	51.2435, 39.1238, 11.8720
YIQ	164.2680, 90.1380, 7.4020

Conversions

Conversions Part 2

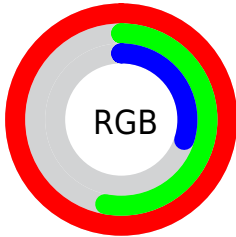
Format	Color
R_{YB}	255, 163, 77
Decimal	16746317
CIE _{Lab}	68.84, 41.25, 50.73
CIE _{LCh}	69, 65.386, 50.883
Yxy	39.1238, 0.5012, 0.3827
Android (android.graphics.Color)	4294936397 (0xFFFF874D)
YUV	164.2680, -43.0231, 79.5720
Hunter-Lab	62.5490, 36.7760, 32.5309

Details

The XYZ color **51.2435, 39.1238, 11.8720** 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 **41.0752, 48.7270, 101.8474**, and the grayscale version is **35.5841, 37.4372, 40.7691**.

A 20% lighter version of the original color is **63.5497, 59.6454, 28.5854**, and **25.0293, 17.4721, 3.0902** is the 20% darker color. If you saturate the color by 10%, you get **48.3054, 34.4174, 7.2875**, and if you desaturate by 10%, it is **54.9233, 44.7499, 18.4441**.

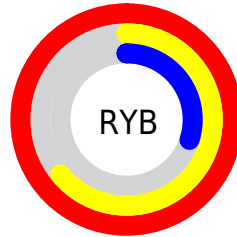
Distribution



Red (100%)

Green (53%)

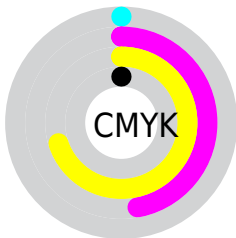
Blue (30%)



Red (100%)

Yellow (64%)

Blue (30%)

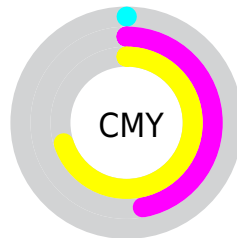


Cyan (0%)

Magenta (47%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2435, 39.1238, 11.8720 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 51.2435, 39.1238, 11.8720 by changing the saturation by 10% instead.


 51.2435, 39.1238,
11.8720


 51.2435, 39.1238,
11.8720


381.8812,
342.4165, 214.5038

 36.6243, 26.8560,
6.5351


 91.1955, 73.8274,
29.9227

 25.0890, 17.4651,
3.0991


 117.2589, 97.0320,
43.4735


 16.2725, 10.5667,
1.1455


 147.8678,
124.6511, 60.5994

 9.8093, 5.7763,
0.0000

 183.3874,
157.0690, 81.7189

 5.3340, 2.7095,
0.0000

 224.1832,
194.6701, 107.2506

 2.4813, 0.9820,
0.0000

270.6206,

 0.8858, 0.0000,

237.8388, 137.6129

0.0000

323.0648,
286.9595, 173.2245

■ 0.0000, 0.0000,
0.0000

■ 51.2435, 39.1238,
11.8720

■ 51.2435, 39.1238,
11.8720

■ 48.3054, 34.4174,
7.2875

■ 54.9233, 44.7499,
18.4441

■ 46.0438, 30.5698,
4.4512

■ 59.3963, 51.3389,
27.2015


■ 44.3693, 27.5147,
2.9868

■ 64.7119, 58.9382,
38.3202

■ 44.3406, 27.4616,
2.9636

■ 70.9142, 67.5900,
51.9572

■ 78.0443, 77.3341,
68.2561

 86.1403, 88.2082,
87.3496

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



59.1090, 39.1238, 25.3086



51.2435, 39.1238, 11.8720



40.4371, 39.1238, 7.4270

Triad

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



51.2435, 39.1238, 11.8720



20.7637, 39.1238, 34.1733



44.7589, 39.1238, 121.3660

Complementary

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



51.2435, 39.1238, 11.8720



41.0752, 48.7270, 101.8474

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.



34.1140, 39.1238, 127.5593



51.2435, 39.1238, 11.8720



21.4896, 39.1238, 66.3787

Square

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



51.2435, 39.1238, 11.8720



23.7579, 39.1238, 15.7668



25.9677, 39.1238, 104.0682



54.9078, 39.1238, 89.7599

Rectangle

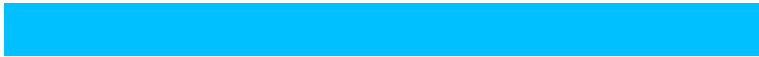
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2435, 39.1238, 11.8720



33.5458, 39.1238, 7.5228



25.9677, 39.1238, 104.0682



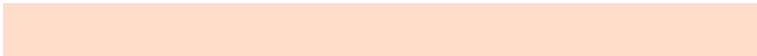
41.0804, 39.1238, 126.9254

Sweetspot

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



51.2444, 39.1259, 11.8727



77.1414, 76.1097, 66.1611



54.1599, 30.6743, 56.8761



16.0765, 15.6988, 13.1589



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.



51.2444, 39.1259, 11.8727



47.2781, 32.7014, 5.8997



68.7980, 74.2330, 17.7239



18.4927, 18.9536, 18.8281



23.2891, 14.5895, 1.5886



2.3622, 1.6097, 0.1862

Inverse Universe

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



41.0752, 48.7270, 101.8474



36.3465, 42.4672, 100.8891



26.6472, 19.8710, 97.0380



18.0267, 19.4250, 23.0492



17.2719, 19.4533, 52.2791



1.7813, 2.0933, 5.1234

Previews

White Background



This preview shows how the XYZ color 51.2435, 39.1238, 11.8720 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 51.2435, 39.1238, 11.8720 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 51.2435, 39.1238, 11.8720

Background



This preview shows how black text looks on a background with the XYZ color 51.2435, 39.1238, 11.8720.



This preview shows how white text looks on a background with the XYZ color 51.2435, 39.1238,

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

51.2435, 39.1238, 11.8720

Protanopia

36.1991, 39.5196, 14.9527

Deuteranopia

40.0026, 39.1519, 11.4099



Tritanopia

53.8828, 39.0893, 29.1312

Trichromacy



Original Color

51.2435, 39.1238, 11.8720

Protanomaly

40.5212, 38.6029, 13.7029

Deuteranomaly

43.6332, 38.7830, 11.4895

Tritanomaly

52.6436, 39.0235, 21.2807

Monochromacy



Original Color

51.2435, 39.1238, 11.8720

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.5820, 36.3187, 26.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2435, 39.1238, 11.8720 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 77) }
```

Border

The CSS property to change the border of an element to XYZ 51.2435, 39.1238, 11.8720 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, 77) }
```


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

```
.border{ border-color:rgb(255, 135, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2435, 39.1238, 11.8720 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
135, 77) }
```

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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