

Converting Colors

XYZ(50.9527, 38.9263, 10.5904)

Have a look what the booklet for
XYZ(50.9527, 38.9263, 10.5904)
contains.

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Color

**XYZ(51.0095, 39.0301,
10.6394)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8746
RGB	255, 135, 70
RGB Percent	100%, 53%, 27%
CMY	0.0000, 0.4706, 0.7255
CMYK	0.00, 0.47, 0.73, 0.00
HSL	21°, 100%, 64%
HSV	21°, 73%, 100%
XYZ	51.0095, 39.0301, 10.6394
YIQ	163.4700, 92.3850, 5.2250

Conversions

Conversions Part 2

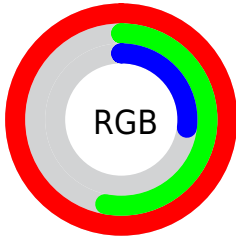
Format	Color
R_{YB}	255, 170, 70
Decimal	16746310
CIE _{Lab}	68.77, 40.92, 54.04
CIE _{LCh}	69, 67.789, 52.864
Yxy	39.0301, 0.5067, 0.3877
Android (android.graphics.Color)	4294936390 (0xFFFF8746)
YUV	163.4700, -46.0807, 80.2718
Hunter-Lab	62.4741, 36.4140, 33.6347

Details

The XYZ color **51.0095, 39.0301, 10.6394** 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 **38.9879, 45.3463, 101.3051**, and the grayscale version is **35.2170, 37.0510, 40.3486**.

A 20% lighter version of the original color is **63.1046, 59.4674, 26.2415**, and **24.9407, 17.4367, 2.6234** is the 20% darker color. If you saturate the color by 10%, you get **48.2376, 34.5129, 6.5519**, and if you desaturate by 10%, it is **54.4831, 44.4051, 16.6459**.

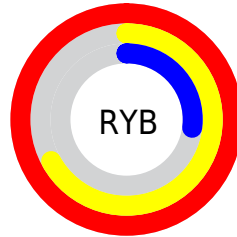
Distribution



Red (100%)

Green (53%)

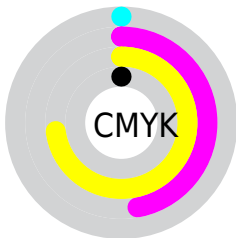
Blue (27%)



Red (100%)

Yellow (67%)

Blue (27%)

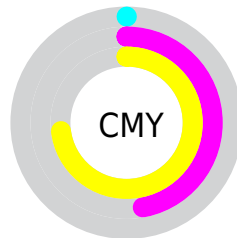


Cyan (0%)

Magenta (47%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0095, 39.0301, 10.6394 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 51.0095, 39.0301, 10.6394 by changing the saturation by 10% instead.


 51.0095, 39.0301,
10.6394


 51.0095, 39.0301,
10.6394


380.9877,
342.0184, 205.8245

 36.4372, 26.7831,
5.7138


 90.8517, 73.6843,
27.6178

 24.9437, 17.4104,
2.6059


 116.8524, 96.8603,
40.5077


 16.1637, 10.5275,
0.8955


 147.3933,
124.4482, 56.8894

 9.7316, 5.7501,
0.0000

 182.8397,
156.8322, 77.1815

 5.2823, 2.6937,
0.0000

 223.5569,
194.3969, 101.8025

 2.4503, 0.9740,
0.0000

269.9105,

 0.8702, 0.0000,

237.5266, 131.1710

0.0000

322.2656,
286.6056, 165.7054

■ 0.0000, 0.0000,
0.0000

■ 51.0095, 39.0301,
10.6394

■ 51.0095, 39.0301,
10.6394

■ 48.2376, 34.5129,
6.5519

■ 54.4831, 44.4051,
16.6459

■ 46.1017, 30.7956,
4.1305


■ 58.7098, 50.6778,
24.7772


■ 44.8626, 28.5055,
3.1376

■ 63.7381, 57.8927,
35.2142

■ 69.6117, 66.0893,
48.1181

■ 76.3706, 75.3044,
63.6352

 84.0520, 85.5730,
81.9004

 92.6910, 96.9284,
103.0391

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.



59.5586, 39.0301, 23.4139



51.0095, 39.0301, 10.6394



39.7213, 39.0301, 6.6842

Triad

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



51.0095, 39.0301, 10.6394



20.1502, 39.0301, 35.5669



45.7112, 39.0301, 123.5822

Complementary

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



51.0095, 39.0301, 10.6394



38.9879, 45.3463, 101.3051

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.



34.5908, 39.0301, 132.3122



51.0095, 39.0301, 10.6394



21.1394, 39.0301, 69.8608

Square

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



51.0095, 39.0301, 10.6394



22.9517, 39.0301, 15.8622



25.9764, 39.0301, 109.2132



56.1108, 39.0301, 89.1224

Rectangle

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



51.0095, 39.0301, 10.6394



32.6875, 39.0301, 6.9877



25.9764, 39.0301, 109.2132



41.8861, 39.0301, 130.1364

Sweetspot

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



51.0104, 39.0322, 10.6401



76.7678, 75.8401, 64.5645



52.7517, 29.3691, 51.7472



16.0171, 15.6727, 12.8532



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.



51.0104, 39.0322, 10.6401



47.2125, 32.7625, 5.2853



69.8828, 76.7770, 16.9309



18.5315, 19.0311, 18.8410



23.5680, 15.1473, 1.6815



2.3928, 1.6709, 0.1964

Inverse Universe

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



38.9879, 45.3463, 101.3051



34.4130, 39.0078, 100.3232



24.9203, 17.2111, 96.6159



17.9863, 19.3441, 23.0358



16.6451, 18.1997, 52.0702



1.7234, 1.9775, 5.1041

Previews

White Background



This preview shows how the XYZ color 51.0095, 39.0301, 10.6394 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 51.0095, 39.0301, 10.6394 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 51.0095, 39.0301, 10.6394

Background



This preview shows how black text looks on a background with the XYZ color 51.0095, 39.0301, 10.6394.



This preview shows how white text looks on a background with the XYZ color 51.0095, 39.0301,

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

51.0095, 39.0301, 10.6394

Protanopia

35.7003, 39.0236, 13.2401

Deuteranopia

40.0464, 39.2021, 10.1587



Tritanopia

53.8101, 39.0602, 28.7480

Trichromacy



Original Color

51.0095, 39.0301, 10.6394

Protanomaly

40.0569, 38.1476, 12.0895

Deuteranomaly

43.4140, 38.6953, 10.3350

Tritanomaly

52.4719, 38.9548, 20.3762

Monochromacy



Original Color

51.0095, 39.0301, 10.6394

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.1186, 36.1032, 25.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0095, 39.0301, 10.6394 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 70) }
```

Border

The CSS property to change the border of an element to XYZ 51.0095, 39.0301, 10.6394 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, 70) }
```


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

```
.border{ border-color:rgb(255, 135, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0095, 39.0301, 10.6394 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
135, 70) }
```

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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