

Converting Colors

XYZ(51.8664, 39.3358, 10.4103)

Have a look what the booklet for
XYZ(51.8664, 39.3358, 10.4103)
contains.

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Color

**XYZ(50.8393, 38.7399,
10.4282)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8645
RGB	255, 134, 69
RGB Percent	100%, 53%, 27%
CMY	0.0000, 0.4745, 0.7294
CMYK	0.00, 0.47, 0.73, 0.00
HSL	21°, 100%, 64%
HSV	21°, 73%, 100%
XYZ	50.8393, 38.7399, 10.4282
YIQ	162.7690, 92.9810, 5.4370

Conversions

Conversions Part 2

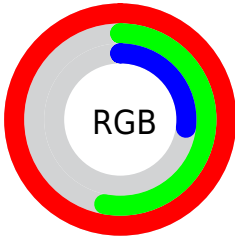
Format	Color
R _{YB}	255, 169, 69
Decimal	16746053
CIE Lab	68.56, 41.38, 54.29
CIE LCh	69, 68.264, 52.686
Yxy	38.7399, 0.5084, 0.3874
Android (android.graphics.Color)	4294936133 (0xFFFF8645)
YUV	162.7690, -46.2281, 80.8866
Hunter-Lab	62.2414, 36.8779, 33.6353

Details

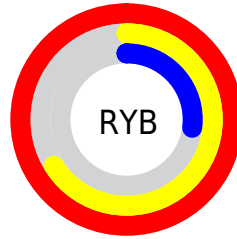
The XYZ color **50.8393, 38.7399, 10.4282** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **38.9162, 45.3091, 101.3016**, and the grayscale version is **34.8854, 36.7021, 39.9686**.

A 20% lighter version of the original color is **62.8278, 59.0113, 25.8482**, and **24.8490, 17.2785, 2.5156** is the 20% darker color. If you saturate the color by 10%, you get **48.0954, 34.2588, 6.4118**, and if you desaturate by 10%, it is **54.2844, 44.0804, 16.3553**.

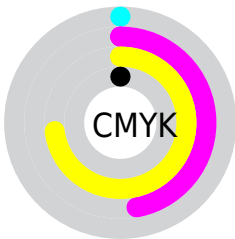
Distribution



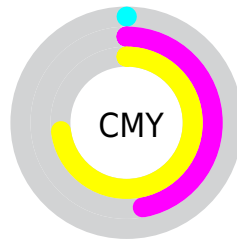
- Red (100%)
- Green (53%)
- Blue (27%)



- Red (100%)
- Yellow (66%)
- 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 50.8393, 38.7399, 10.4282 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 50.8393, 38.7399, 10.4282 by changing the saturation by 10% instead.


 50.8393, 38.7399,
10.4282


 50.8393, 38.7399,
10.4282


380.3371,
340.7834, 204.2961

 36.3013, 26.5574,
5.5745


 90.6016, 73.2408,
27.2182


 24.8381, 17.2411,
2.5235


 116.5565, 96.3280,
39.9915


 16.0846, 10.4066,
0.8526


 147.0479,
123.8190, 56.2417

 9.6753, 5.6693,
0.0000

 182.4409,
156.0981, 76.3875

 5.2448, 2.6451,
0.0000

 223.1009,
193.5497, 100.8472

 2.4278, 0.9494,
0.0000

269.3934,

 0.8590, 0.0000,

236.5581, 130.0396

0.0000

321.6837,
285.5079, 164.3830

■ 0.0000, 0.0000,
0.0000

■ 50.8393, 38.7399,
10.4282

■ 50.8393, 38.7399,
10.4282

■ 48.0954, 34.2588,
6.4118

■ 54.2844, 44.0804,
16.3553

■ 45.9864, 30.5785,
4.0508


■ 58.4823, 50.3207,
24.4003


■ 44.8223, 28.4250,
3.1242

■ 63.4823, 57.5057,
34.7451

■ 69.3280, 65.6751,
47.5514

■ 76.0598, 74.8664,
62.9661

 83.7151, 85.1146,
81.1246

 92.3292, 96.4532,
102.1528

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.



59.3966, 38.7399, 23.2079



50.8393, 38.7399, 10.4282



39.5180, 38.7399, 6.4810

Triad

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



50.8393, 38.7399, 10.4282



19.8772, 38.7399, 35.0793



45.3904, 38.7399, 123.8605

Complementary

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



50.8393, 38.7399, 10.4282



38.9162, 45.3091, 101.3016

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.



34.2498, 38.7399, 132.4638



50.8393, 38.7399, 10.4282



20.8420, 38.7399, 69.4075

Square

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



50.8393, 38.7399, 10.4282



22.6965, 38.7399, 15.4949



25.6503, 38.7399, 109.0289



55.8473, 38.7399, 89.2543

Rectangle

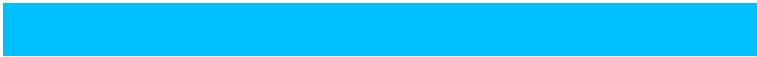
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8393, 38.7399, 10.4282



32.4621, 38.7399, 6.7616



25.6503, 38.7399, 109.0289



41.5539, 38.7399, 130.4065

Sweetspot

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



50.8402, 38.7420, 10.4289



76.7403, 75.7851, 64.5553



52.9936, 29.3666, 53.3274



16.0106, 15.6598, 12.8510



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.



50.8402, 38.7420, 10.4289



46.9537, 32.3001, 5.0287



68.9695, 75.0007, 16.4720



18.5286, 19.0253, 18.8400



23.5466, 15.1044, 1.6744



2.3904, 1.6662, 0.1956

Inverse Universe

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



38.9162, 45.3091, 101.3016



34.2408, 38.7806, 100.2885



25.0615, 17.5998, 96.6834



17.9892, 19.3501, 23.0368



16.6904, 18.2904, 52.0853



1.7276, 1.9859, 5.1055

Previews

White Background



This preview shows how the XYZ color 50.8393, 38.7399, 10.4282 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 50.8393, 38.7399, 10.4282 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 50.8393, 38.7399, 10.4282

Background



This preview shows how black text looks on a background with the XYZ color 50.8393, 38.7399, 10.4282.



This preview shows how white text looks on a background with the XYZ color 50.8393, 38.7399,

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

50.8393, 38.7399, 10.4282

Protanopia

35.6636, 39.0089, 13.0469

Deuteranopia

39.5621, 38.6994, 9.9420



Tritanopia

53.6056, 38.7667, 28.3243

Trichromacy



Original Color

50.8393, 38.7399, 10.4282

Protanomaly

40.0224, 38.1338, 11.9078

Deuteranomaly

43.2245, 38.3631, 10.1277

Tritanomaly

52.2809, 38.6625, 20.0363

Monochromacy



Original Color

50.8393, 38.7399, 10.4282

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.9556, 35.7772, 25.6741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8393, 38.7399, 10.4282 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, 134, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 69)  
}
```

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, 134, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 69) }
```

Border

The CSS property to change the border of an element to XYZ 50.8393, 38.7399, 10.4282 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, 134, 69) }
```


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

```
.border{ border-color:rgb(255, 134, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 134, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8393, 38.7399, 10.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 69) }
```

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

```
.background{ background-color: rgb(255,  
134, 69) }
```

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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