

Converting Colors

XYZ(50.6366, 39.0279, 8.2235)

Have a look what the booklet for
XYZ(50.6366, 39.0279, 8.2235)
contains.

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Color

**XYZ(50.6868, 39.1254,
8.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8835
RGB	255, 136, 53
RGB Percent	100%, 53%, 21%
CMY	0.0000, 0.4666, 0.7921
CMYK	0.00, 0.47, 0.79, 0.00
HSL	25°, 100%, 60%
HSV	25°, 79%, 100%
XYZ	50.6868, 39.1254, 8.2486
YIQ	162.1190, 97.5670, -0.5850

Conversions

Conversions Part 2

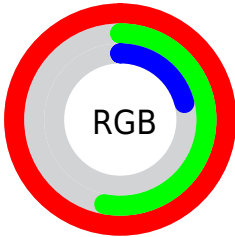
Format	Color
R _Y B	255, 194, 53
Decimal	16746549
CIE Lab	68.84, 39.77, 61.65
CIE LCh	69, 73.367, 57.177
Yxy	39.1254, 0.5169, 0.3990
Android (android.graphics.Color)	4294936629 (0xFFFF8835)
YUV	162.1190, -53.7957, 81.4566
Hunter-Lab	62.5503, 35.1821, 35.9666

Details

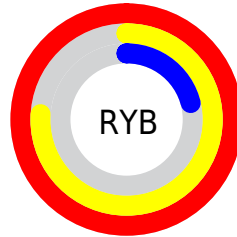
The XYZ color **50.6868, 39.1254, 8.2486** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.2695, 37.4795, 100.0352**, and the grayscale version is **34.6120, 36.4145, 39.6554**.

A 20% lighter version of the original color is **62.4723, 59.5622, 21.8397**, and **24.9086, 17.5471, 2.0741** is the 20% darker color. If you saturate the color by 10%, you get **48.2792, 35.0128, 5.2812**, and if you desaturate by 10%, it is **53.7043, 43.9598, 12.9571**.

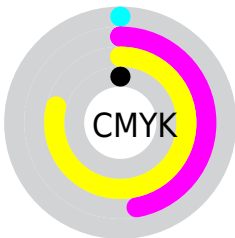
Distribution



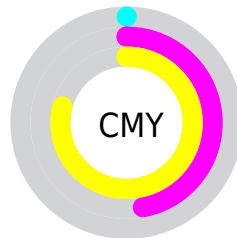
- Red (100%)
- Green (53%)
- Blue (21%)



- Red (100%)
- Yellow (76%)
- Blue (21%)



- Cyan (0%)
- Magenta (47%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6868, 39.1254, 8.2486 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 50.6868, 39.1254, 8.2486 by changing the saturation by 10% instead.


 50.6868, 39.1254,
8.2486


 50.6868, 39.1254,
8.2486


379.7534,
342.4233, 187.6759

 36.1794, 26.8573,
4.1644


 90.3774, 73.8298,
22.9985

 24.7436, 17.4661,
1.7160


 116.2913, 97.0350,
34.5013

 16.0138, 10.5673,
0.3716


 146.7382,
124.6546, 49.3141

 9.6248, 5.7767,
0.0000

 182.0833,
157.0730, 67.8553

 5.2113, 2.7098,
0.0000

 222.6920,
194.6747, 90.5436

 2.4078, 0.9822,
0.0000

 268.9297,

 0.8490, 0.0000,

237.8441, 117.7974

0.0000

321.1617,
286.9655, 150.0353

■ 0.0000, 0.0000,
0.0000

■ 50.6868, 39.1254,
8.2486

■ 50.6868, 39.1254,
8.2486

■ 48.2792, 35.0128,
5.2812

■ 53.7043, 43.9598,
12.9571

■ 46.4012, 31.5652,
3.7046

■ 57.3840, 49.5503,
19.6370

■ 46.2695, 31.3194,
3.6066

■ 61.7742, 55.9353,
28.4851

■ 66.9173, 63.1485,
39.6733

■ 72.8520, 71.2213,
53.3560

79.6140, 80.1830,
69.6746

87.2365, 90.0617,
88.7593

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.



60.8634, 39.1254, 19.5188



50.6868, 39.1254, 8.2486



38.3010, 39.1254, 5.2950

Triad

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



50.6868, 39.1254, 8.2486



19.0131, 39.1254, 39.5208



48.3753, 39.1254, 128.8513

Complementary

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



50.6868, 39.1254, 8.2486



34.2695, 37.4795, 100.0352

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.



36.0959, 39.1254, 144.0497



50.6868, 39.1254, 8.2486



20.6187, 39.1254, 79.0961

Square

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



50.6868, 39.1254, 8.2486



21.3718, 39.1254, 16.4456



26.3269, 39.1254, 122.3598



59.3451, 39.1254, 87.6486

Rectangle

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



50.6868, 39.1254, 8.2486



30.9617, 39.1254, 6.0183



26.3269, 39.1254, 122.3598



44.1966, 39.1254, 137.8748

Sweetspot

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



50.6877, 39.1275, 8.2493



76.2733, 75.7823, 61.5287



50.1725, 26.8701, 42.6890



15.8201, 15.5479, 11.9577



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.



50.6877, 39.1275, 8.2493



47.1380, 32.9423, 4.2464



71.5334, 80.8189, 15.1978



18.6224, 19.2129, 18.8713



24.3152, 16.6417, 1.9306



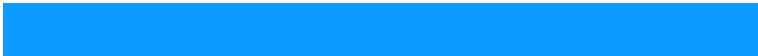
2.4719, 1.8291, 0.2228

Inverse Universe

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



34.2695, 37.4795, 100.0352



30.0093, 30.8976, 98.9899



21.9141, 12.7686, 95.9167



17.8924, 19.1565, 23.0045



15.2988, 15.5073, 51.6214



1.5972, 1.7252, 5.0621

Previews

White Background



This preview shows how the XYZ color 50.6868, 39.1254, 8.2486 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 50.6868, 39.1254, 8.2486 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 50.6868, 39.1254, 8.2486

Background



This preview shows how black text looks on a background with the XYZ color 50.6868, 39.1254, 8.2486.



This preview shows how white text looks on a background with the XYZ color 50.6868, 39.1254,

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

50.6868, 39.1254, 8.2486

Protanopia

35.7965, 39.4151, 10.2786

Deuteranopia

40.1958, 39.3281, 7.9552



Tritanopia

53.8101, 39.0602, 28.7480

Trichromacy



Original Color

50.6868, 39.1254, 8.2486

Protanomaly

39.9978, 38.4268, 9.4467

Deuteranomaly

43.5950, 38.8406, 7.9956

Tritanomaly

52.1451, 38.8241, 18.6554

Monochromacy



Original Color

50.6868, 39.1254, 8.2486

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.6690, 35.9234, 23.3609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6868, 39.1254, 8.2486 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 53) }
```

Border

The CSS property to change the border of an element to XYZ 50.6868, 39.1254, 8.2486 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, 53) }
```


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

```
.border{ border-color:rgb(255, 136, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6868, 39.1254, 8.2486 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, 53) }
```

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

```
.background{ background-color: rgb(255,  
136, 53) }
```

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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