

Converting Colors

XYZ(50.8276, 39.0787, 9.3075)

Have a look what the booklet for
XYZ(50.8276, 39.0787, 9.3075)
contains.

XYZ(50.8865, 39.2052, 9.3002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.8865, 39.2052,
9.3002)**

Conversions

Conversions Part 1

Format	Color
Hex	FF883D
RGB	255, 136, 61
RGB Percent	100%, 53%, 24%
CMY	0.0000, 0.4666, 0.7608
CMYK	0.00, 0.47, 0.76, 0.00
HSL	23°, 100%, 62%
HSV	23°, 76%, 100%
XYZ	50.8865, 39.2052, 9.3002
YIQ	163.0310, 94.9990, 1.9030

Conversions

Conversions Part 2

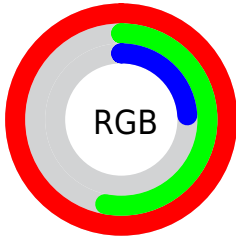
Format	Color
R_{YB}	255, 183, 61
Decimal	16746557
CIE _{Lab}	68.90, 40.05, 58.30
CIE _{LCh}	69, 70.732, 55.511
Yxy	39.2052, 0.5120, 0.3945
Android (android.graphics.Color)	4294936637 (0xFFFF883D)
YUV	163.0310, -50.3013, 80.6568
Hunter-Lab	62.6141, 35.4925, 35.0234

Details

The XYZ color **50.8865, 39.2052, 9.3002** 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 **36.2945, 40.8522, 100.5796**, and the grayscale version is **35.0272, 36.8514, 40.1312**.

A 20% lighter version of the original color is **62.8514, 59.7139, 23.8361**, and **24.9140, 17.5493, 2.1030** is the 20% darker color. If you saturate the color by 10%, you get **48.3113, 34.9056, 5.8206**, and if you desaturate by 10%, it is **54.1111, 44.2824, 14.6059**.

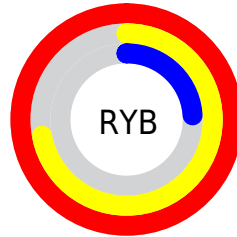
Distribution



Red (100%)

Green (53%)

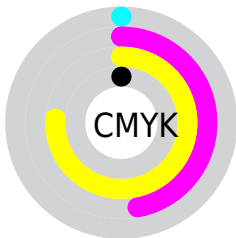
Blue (24%)



Red (100%)

Yellow (72%)

Blue (24%)

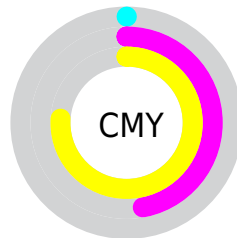


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8865, 39.2052, 9.3002 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 50.8865, 39.2052, 9.3002 by changing the saturation by 10% instead.


 50.8865, 39.2052,
9.3002


 50.8865, 39.2052,
9.3002


380.5176,
342.7621, 195.9016


 36.3390, 26.9194,
4.8380


 90.6710, 73.9517,
25.0576


 24.8674, 17.5127,
2.0955


 116.6386, 97.1812,
37.1898


 16.1065, 10.6007,
0.6131


 147.1437,
124.8273, 52.7159

 9.6909, 5.7990,
0.0000

 182.5515,
157.2746, 72.0542

 5.2552, 2.7233,
0.0000

 223.2274,
194.9073, 95.6234

 2.4340, 0.9890,
0.0000

269.5369,

 0.8621, 0.0000,

238.1098, 123.8420

0.0000

321.8451,
287.2666, 157.1286

■ 0.0000, 0.0000,
0.0000

■ 50.8865, 39.2052,
9.3002

■ 50.8865, 39.2052,
9.3002

■ 48.3113, 34.9056,
5.8206

■ 54.1111, 44.2824,
14.6059

■ 46.3183, 31.3292,
3.8931

■ 58.0363, 50.1734,
21.9554

■ 45.6630, 30.1062,
3.4044

■ 62.7103, 56.9187,
31.5373

■ 68.1757, 64.5540,
43.5182

■ 74.4713, 73.1129,
58.0482

81.6335, 82.6267,
75.2655

89.6960, 93.1255,
95.2981

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.



60.3635, 39.2052, 21.1983



50.8865, 39.2052, 9.3002



38.9804, 39.2052, 5.9426

Triad

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



50.8865, 39.2052, 9.3002



19.6065, 39.2052, 38.0250



47.3653, 39.2052, 126.4322

Complementary

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



50.8865, 39.2052, 9.3002



36.2945, 40.8522, 100.5796

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.



35.5976, 39.2052, 138.8703



50.8865, 39.2052, 9.3002



20.9666, 39.2052, 75.2700

Square

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



50.8865, 39.2052, 9.3002



22.1405, 39.2052, 16.3605



26.3185, 39.2052, 116.7035



58.0607, 39.2052, 88.1907

Rectangle

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



50.8865, 39.2052, 9.3002



31.7787, 39.2052, 6.5144



26.3185, 39.2052, 116.7035



43.3453, 39.2052, 134.3882

Sweetspot

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



50.8874, 39.2073, 9.3009



76.5820, 75.9381, 63.0549



51.2116, 27.9188, 46.2090



15.8633, 15.5461, 12.2440



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.



50.8874, 39.2073, 9.3009



47.2623, 33.0579, 4.6978



71.0420, 79.5166, 16.0191



18.5852, 19.1386, 18.8589



23.9938, 15.9988, 1.8235



2.4383, 1.7619, 0.2116

Inverse Universe

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



36.2945, 40.8522, 100.5796



31.9083, 34.4137, 99.5685



23.1166, 14.4963, 96.1869



17.9306, 19.2329, 23.0172



15.8286, 16.5668, 51.7980



1.6472, 1.8251, 5.0787

Previews

White Background



This preview shows how the XYZ color 50.8865, 39.2052, 9.3002 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 50.8865, 39.2052, 9.3002 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 50.8865, 39.2052, 9.3002

Background



This preview shows how black text looks on a background with the XYZ color 50.8865, 39.2052, 9.3002.



This preview shows how white text looks on a background with the XYZ color 50.8865, 39.2052,

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

50.8865, 39.2052, 9.3002

Protanopia

36.0325, 39.5095, 11.5213

Deuteranopia

40.1006, 39.2568, 8.9538



Tritanopia

53.8828, 39.0893, 29.1312

Trichromacy



Original Color

50.8865, 39.2052, 9.3002

Protanomaly

40.2215, 38.5162, 10.6247

Deuteranomaly

43.4837, 38.7595, 9.0604

Tritanomaly

52.3605, 38.9102, 19.7896

Monochromacy



Original Color

50.8865, 39.2052, 9.3002

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.9221, 36.0246, 24.6934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8865, 39.2052, 9.3002 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 61) }
```

Border

The CSS property to change the border of an element to XYZ 50.8865, 39.2052, 9.3002 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, 61) }
```


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

```
.border{ border-color:rgb(255, 136, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8865, 39.2052, 9.3002 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, 61) }
```

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

```
.background{ background-color: rgb(255,  
136, 61) }
```

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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