

Converting Colors

XYZ(49.0930, 38.8510, 8.2227)

Have a look what the booklet for
XYZ(49.0930, 38.8510, 8.2227)
contains.

XYZ(49.2996, 39.0463, 8.3065)	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(49.2996, 39.0463,
8.3065)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8B35
RGB	250, 139, 53
RGB Percent	98%, 55%, 21%
CMY	0.0196, 0.4549, 0.7921
CMYK	0.00, 0.44, 0.79, 0.02
HSL	26°, 95%, 59%
HSV	26°, 79%, 98%
XYZ	49.2996, 39.0463, 8.3065
YIQ	162.3850, 93.7620, -3.2140

Conversions

Conversions Part 2

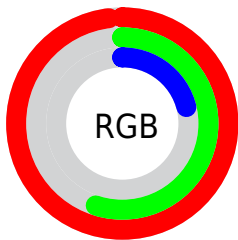
Format	Color
RYB	250, 206, 53
Decimal	16419637
CIELab	68.78, 36.28, 61.36
CIElCh	69, 71.282, 59.403
Yxy	39.0463, 0.5101, 0.4040
Android (android.graphics.Color)	4294609717 (0xFFFA8B35)
YUV	162.3850, -53.9268, 76.8384
Hunter-Lab	62.4870, 31.4765, 35.8594

Details

The XYZ color **49.2996, 39.0463, 8.3065** 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 **31.9980, 34.2080, 95.3582**, and the grayscale version is **34.7390, 36.5482, 39.8009**.

A 20% lighter version of the original color is **62.9115, 60.4405, 21.9861**, and **23.9017, 17.3812, 2.0951** is the 20% darker color. If you saturate the color by 10%, you get **46.9575, 35.0553, 5.3902**, and if you desaturate by 10%, it is **52.2058, 43.6869, 12.8891**.

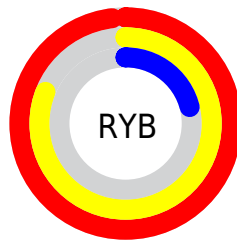
Distribution



Red (98%)

Green (55%)

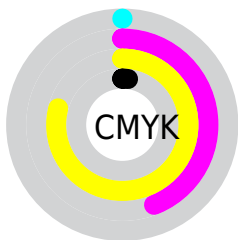
Blue (21%)



Red (98%)

Yellow (81%)

Blue (21%)

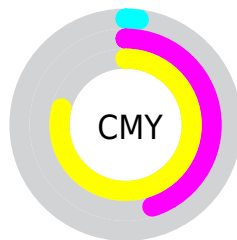


Cyan (0%)

Magenta (44%)

Yellow (79%)

Black (2%)



Cyan (2%)


Magenta (45%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2996, 39.0463, 8.3065 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 49.2996, 39.0463, 8.3065 by changing the saturation by 10% instead.


 49.2996, 39.0463,
8.3065


 49.2996, 39.0463,
8.3065


374.4180,
342.0873, 188.1401


 35.0727, 26.7957,
4.2011


 88.3343, 73.7090,
23.1132

 23.8857, 17.4199,
1.7363


 113.8728, 96.8900,
34.6515


 15.3731, 10.5343,
0.3854


 143.9126,
124.4833, 49.5046

 9.1697, 5.7546,
0.0000

 178.8191,
156.8732, 68.0910

 4.9100, 2.6965,
0.0000

 218.9575,
194.4441, 90.8292

 2.2288, 0.9754,
0.0000

 264.6932,

 0.7578, 0.0000,

237.5806, 118.1378

0.0000

316.3916,
286.6668, 150.4352

■ 0.0000, 0.0000,
0.0000

■ 49.2996, 39.0463,
8.3065

■ 49.2996, 39.0463,
8.3065

■ 46.9575, 35.0553,
5.3902

■ 52.2058, 43.6869,
12.8891

■ 45.1072, 31.6637,
3.8205

■ 55.7239, 49.0061,
19.3549

■ 44.9082, 31.2920,
3.6730

■ 59.8982, 55.0377,
27.8894

■ 64.7676, 61.8109,
38.6552

■ 70.3675, 69.3530,
51.7986

76.7308, 77.6896,
67.4530

83.8879, 86.8452,
85.7420

91.8676, 96.8429,
106.7811

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



59.4284, 39.0463, 18.7071



49.2996, 39.0463, 8.3065



37.3390, 39.0463, 5.7196

Triad

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



49.2996, 39.0463, 8.3065



19.3571, 39.0463, 41.8701



48.8276, 39.0463, 122.9747

Complementary

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



49.2996, 39.0463, 8.3065



31.9980, 34.2080, 95.3582

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.



36.8866, 39.0463, 139.9587



49.2996, 39.0463, 8.3065



21.2260, 39.0463, 80.9424

Square

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



49.2996, 39.0463, 8.3065



21.3823, 39.0463, 18.0654



27.1199, 39.0463, 121.6640



59.1192, 39.0463, 82.6785

Rectangle

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



49.2996, 39.0463, 8.3065



30.3553, 39.0463, 6.6970



27.1199, 39.0463, 121.6640



44.8044, 39.0463, 132.2936

Sweetspot

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



49.3005, 39.0484, 8.3072



76.6847, 76.6052, 61.6658



47.4556, 25.5736, 37.8580



15.9181, 15.7439, 11.9903



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.



49.3005, 39.0484, 8.3072



47.8499, 34.3661, 4.4837



70.3122, 81.0718, 15.3111



17.8680, 18.4719, 18.0861



23.9582, 16.8730, 1.9941



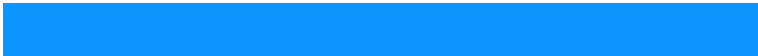
2.3223, 1.7695, 0.2191

Inverse Universe

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



31.9980, 34.2080, 95.3582



28.9975, 28.8741, 98.6527



20.6797, 11.5714, 91.5854



17.0945, 18.2658, 22.0100



14.3396, 14.0347, 49.9267



1.4336, 1.5108, 4.6592

Previews

White Background



This preview shows how the XYZ color 49.2996, 39.0463, 8.3065 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 49.2996, 39.0463, 8.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

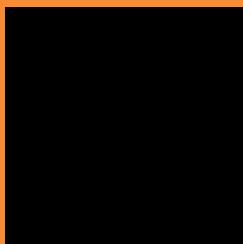
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2996, 39.0463, 8.3065

Background



This preview shows how black text looks on a background with the XYZ color 49.2996, 39.0463, 8.3065.



This preview shows how white text looks on a background with the XYZ color 49.2996, 39.0463,

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

49.2996, 39.0463, 8.3065

Protanopia

35.7693, 39.4042, 10.1354

Deuteranopia

39.9279, 39.1878, 8.0443



Tritanopia

53.5893, 38.9295, 29.5006

Trichromacy



Original Color

49.2996, 39.0463, 8.3065

Protanomaly

39.8545, 38.6081, 9.3545

Deuteranomaly

42.8340, 38.6858, 8.1152

Tritanomaly

51.6023, 38.7404, 18.9453

Monochromacy



Original Color

49.2996, 39.0463, 8.3065

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.3166, 35.9857, 23.3915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2996, 39.0463, 8.3065 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(250, 139, 53)` looks like.

```
.text, #text, p{  
    color:rgb(250, 139, 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(250, 139, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 139, 53) }
```

Border

The CSS property to change the border of an element to XYZ 49.2996, 39.0463, 8.3065 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(250, 139, 53) }
```


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

```
.border{ border-color:rgb(250, 139, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 139, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 139, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 139, 53);  
box-shadow:4px 4px 4px 4px rgb(250, 139,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2996, 39.0463, 8.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 139, 53) }
```

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

```
.background{ background-color: rgb(250,  
139, 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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