

Converting Colors

XYZ(50.9285, 39.1360, 9.7871)

Have a look what the booklet for
XYZ(50.9285, 39.1360, 9.7871)
contains.

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Color

**XYZ(50.9696, 39.2385,
9.7379)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8840
RGB	255, 136, 64
RGB Percent	100%, 53%, 25%
CMY	0.0000, 0.4666, 0.7490
CMYK	0.00, 0.47, 0.75, 0.00
HSL	23°, 100%, 63%
HSV	23°, 75%, 100%
XYZ	50.9696, 39.2385, 9.7379
YIQ	163.3730, 94.0360, 2.8360

Conversions

Conversions Part 2

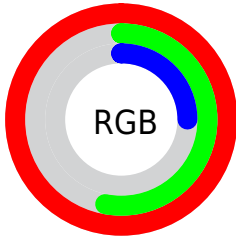
Format	Color
R_{YB}	255, 180, 64
Decimal	16746560
CIE _{Lab}	68.92, 40.17, 56.98
CIE _{LCh}	69, 69.716, 54.817
Yxy	39.2385, 0.5100, 0.3926
Android (android.graphics.Color)	4294936640 (0xFFFF8840)
YUV	163.3730, -48.9909, 80.3569
Hunter-Lab	62.6406, 35.6212, 34.6314

Details

The XYZ color **50.9696, 39.2385, 9.7379** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.0966, 42.1744, 100.7924**, and the grayscale version is **35.1838, 37.0161, 40.3105**.

A 20% lighter version of the original color is **63.0232, 59.7826, 24.7405**, and **24.9469, 17.5625, 2.2761** is the 20% darker color. If you saturate the color by 10%, you get **48.3288, 34.8652, 6.0590**, and if you desaturate by 10%, it is **54.2752, 44.4118, 15.2739**.

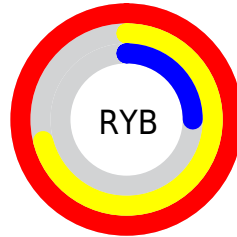
Distribution



Red (100%)

Green (53%)

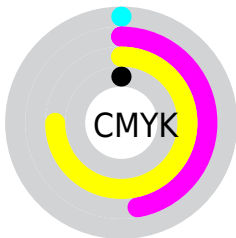
Blue (25%)



Red (100%)

Yellow (71%)

Blue (25%)

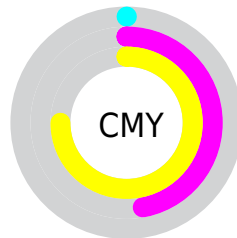


Cyan (0%)

Magenta (47%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9696, 39.2385, 9.7379 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 50.9696, 39.2385, 9.7379 by changing the saturation by 10% instead.


 50.9696, 39.2385,
9.7379


 50.9696, 39.2385,
9.7379


380.8353,
342.9034, 199.2074


 36.4054, 26.9453,
5.1222


 90.7931, 74.0025,
25.9014


 24.9190, 17.5322,
2.2591


 116.7831, 97.2422,
38.2863

 16.1451, 10.6146,
0.7082


 147.3123,
124.8994, 54.0980

 9.7184, 5.8083,
0.0000

 182.7462,
157.3586, 73.7550

 5.2735, 2.7289,
0.0000

 223.4501,
195.0042, 97.6759

 2.4450, 0.9919,
0.0000

269.7893,

 0.8676, 0.0000,

238.2207, 126.2793

0.0000

322.1293,
287.3923, 159.9836

■ 0.0000, 0.0000,
0.0000

■ 50.9696, 39.2385,
9.7379

■ 50.9696, 39.2385,
9.7379

■ 48.3288, 34.8652,
6.0590

■ 54.2752, 44.4118,
15.2739

■ 46.2864, 31.2369,
3.9706


■ 58.2966, 50.4221,
22.8802


■ 45.4349, 29.6501,
3.3284

■ 63.0819, 57.3111,
32.7429

■ 68.6740, 65.1153,
45.0264

■ 75.1118, 73.8690,
59.8797

 82.4318, 83.6047,
77.4396

 90.6683, 94.3530,
97.8333

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.



60.1722, 39.2385, 21.8873



50.9696, 39.2385, 9.7379



39.2532, 39.2385, 6.2110

Triad

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



50.9696, 39.2385, 9.7379



19.8439, 39.2385, 37.4450



46.9730, 39.2385, 125.5024

Complementary

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



50.9696, 39.2385, 9.7379



37.0966, 42.1744, 100.7924

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.



35.4031, 39.2385, 136.8777



50.9696, 39.2385, 9.7379



21.1046, 39.2385, 73.7989

Square

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



50.9696, 39.2385, 9.7379



22.4491, 39.2385, 16.3255



26.3151, 39.2385, 114.5314



57.5630, 39.2385, 88.4161

Rectangle

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



50.9696, 39.2385, 9.7379



32.1066, 39.2385, 6.7162



26.3151, 39.2385, 114.5314



43.0143, 39.2385, 133.0459

Sweetspot

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



50.9705, 39.2406, 9.7386



77.1434, 76.5913, 64.6897



51.8267, 28.4283, 48.6363



16.1050, 15.8486, 12.8825



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.



50.9705, 39.2406, 9.7386



47.2174, 32.9254, 4.8148



70.3322, 77.9641, 16.1925



18.5705, 19.1091, 18.8540



23.8727, 15.7566, 1.7831



2.4255, 1.7363, 0.2073

Inverse Universe

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



37.0966, 42.1744, 100.7924



32.5545, 35.6155, 99.7664



23.7759, 15.5330, 96.3522



17.9458, 19.2632, 23.0223



16.0461, 17.0018, 51.8705



1.6676, 1.8659, 5.0855

Previews

White Background



This preview shows how the XYZ color 50.9696, 39.2385, 9.7379 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 50.9696, 39.2385, 9.7379 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 50.9696, 39.2385, 9.7379

Background



This preview shows how black text looks on a background with the XYZ color 50.9696, 39.2385, 9.7379.



This preview shows how white text looks on a background with the XYZ color 50.9696, 39.2385,

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

50.9696, 39.2385, 9.7379

Protanopia

35.8841, 39.4218, 12.0212

Deuteranopia

40.1733, 39.2859, 9.3365



Tritanopia

54.0165, 39.3567, 29.1757

Trichromacy



Original Color

50.9696, 39.2385, 9.7379

Protanomaly

40.3138, 38.5532, 11.1111

Deuteranomaly

43.5608, 38.7904, 9.4664

Tritanomaly

52.5522, 39.2049, 20.1267

Monochromacy



Original Color

50.9696, 39.2385, 9.7379

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.9869, 36.0505, 25.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9696, 39.2385, 9.7379 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 64) }
```

Border

The CSS property to change the border of an element to XYZ 50.9696, 39.2385, 9.7379 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, 64) }
```


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

```
.border{ border-color:rgb(255, 136, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9696, 39.2385, 9.7379 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
136, 64) }
```

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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