

Converting Colors

XYZ(50.5996, 38.9919, 8.0940)

Have a look what the booklet for
XYZ(50.5996, 38.9919, 8.0940)
contains.

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Color

**XYZ(50.6640, 39.1163,
8.1287)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8834
RGB	255, 136, 52
RGB Percent	100%, 53%, 20%
CMY	0.0000, 0.4666, 0.7961
CMYK	0.00, 0.47, 0.80, 0.00
HSL	25°, 100%, 60%
HSV	25°, 80%, 100%
XYZ	50.6640, 39.1163, 8.1287
YIQ	162.0050, 97.8880, -0.8960

Conversions

Conversions Part 2

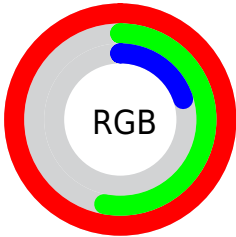
Format	Color
RYB	255, 195, 52
Decimal	16746548
CIELab	68.84, 39.74, 62.05
CIElCh	69, 73.686, 57.367
Yxy	39.1163, 0.5175, 0.3995
Android (android.graphics.Color)	4294936628 (0xFFFF8834)
YUV	162.0050, -54.2325, 81.5566
Hunter-Lab	62.5430, 35.1465, 36.0742

Details

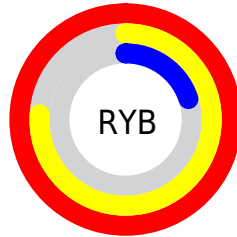
The XYZ color **50.6640, 39.1163, 8.1287** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.0278, 37.0734, 99.9694**, and the grayscale version is **34.5603, 36.3601, 39.5961**.

A 20% lighter version of the original color is **62.4206, 59.5415, 21.5673**, and **24.9086, 17.5471, 2.0741** is the 20% darker color. If you saturate the color by 10%, you get **48.2766, 35.0262, 5.2233**, and if you desaturate by 10%, it is **53.6565, 43.9217, 12.7643**.

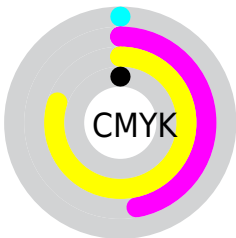
Distribution



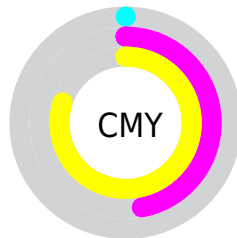
- Red (100%)
- Green (53%)
- Blue (20%)



- Red (100%)
- Yellow (76%)
- Blue (20%)



- Cyan (0%)
- Magenta (47%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6640, 39.1163, 8.1287 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 50.6640, 39.1163, 8.1287 by changing the saturation by 10% instead.


 50.6640, 39.1163,
8.1287


 50.6640, 39.1163,
8.1287


379.6661,
342.3847, 186.7101

 36.1612, 26.8502,
4.0885


 90.3439, 73.8160,
22.7607


 24.7294, 17.4608,
1.6740


 116.2517, 97.0183,
34.1895


 16.0032, 10.5635,
0.3428


 146.6919,
124.6349, 48.9183

 9.6173, 5.7742,
0.0000

 182.0298,
157.0500, 67.3655

 5.2063, 2.7083,
0.0000

 222.6309,
194.6482, 89.9498

 2.4048, 0.9814,
0.0000

 268.8604,

 0.8475, 0.0000,

237.8138, 117.0896

0.0000

321.0837,
286.9311, 149.2036

■ 0.0000, 0.0000,
0.0000

■ 50.6640, 39.1163,
8.1287

■ 50.6640, 39.1163,
8.1287

■ 48.2766, 35.0262,
5.2233

■ 53.6565, 43.9217,
12.7643

■ 46.4109, 31.5935,
3.6808

■ 57.3065, 49.4763,
19.3621

■ 46.3450, 31.4704,
3.6317

■ 61.6625, 55.8185,
28.1199

■ 66.7669, 62.9816,
39.2105

■ 72.6582, 70.9967,
52.7888

79.3721, 79.8932,
68.9964

86.9419, 89.6986,
87.9642

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



60.9244, 39.1163, 19.3250



50.6640, 39.1163, 8.1287



38.2211, 39.1163, 5.2209

Triad

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



50.6640, 39.1163, 8.1287



18.9431, 39.1163, 39.7015



48.4972, 39.1163, 129.1456

Complementary

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



50.6640, 39.1163, 8.1287



34.0278, 37.0734, 99.9694

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.



36.1557, 39.1163, 144.6794



50.6640, 39.1163, 8.1287



20.5775, 39.1163, 79.5614

Square

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



50.6640, 39.1163, 8.1287



21.2815, 39.1163, 16.4554



26.3279, 39.1163, 123.0484



59.5003, 39.1163, 87.5868

Rectangle

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



50.6640, 39.1163, 8.1287



30.8656, 39.1163, 5.9606



26.3279, 39.1163, 123.0484



44.2992, 39.1163, 138.2984

Sweetspot

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



50.6649, 39.1184, 8.1294



76.3196, 75.8750, 61.5441



50.0883, 26.7643, 42.4686



15.8311, 15.5700, 11.9614



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.



50.6649, 39.1184, 8.1294



47.0356, 32.7618, 4.1375



71.4819, 80.7525, 15.0684



18.6268, 19.2218, 18.8728



24.3552, 16.7217, 1.9439



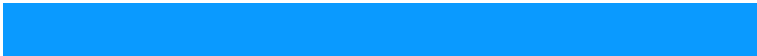
2.4760, 1.8374, 0.2242

Inverse Universe

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



34.0278, 37.0734, 99.9694



29.6830, 30.2965, 98.8911



21.8031, 12.6240, 95.8945



17.8879, 19.1474, 23.0030



15.2373, 15.3842, 51.6009



1.5914, 1.7135, 5.0601

Previews

White Background



This preview shows how the XYZ color 50.6640, 39.1163, 8.1287 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 50.6640, 39.1163, 8.1287 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 50.6640, 39.1163, 8.1287

Background



This preview shows how black text looks on a background with the XYZ color 50.6640, 39.1163, 8.1287.



This preview shows how white text looks on a background with the XYZ color 50.6640, 39.1163,

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

50.6640, 39.1163, 8.1287

Protanopia

35.7693, 39.4042, 10.1354

Deuteranopia

40.1582, 39.3131, 7.7571



Tritanopia

53.8101, 39.0602, 28.7480

Trichromacy



Original Color

50.6640, 39.1163, 8.1287

Protanomaly

39.9721, 38.4165, 9.3114

Deuteranomaly

43.5547, 38.8245, 7.7831

Tritanomaly

52.1451, 38.8241, 18.6554

Monochromacy



Original Color

50.6640, 39.1163, 8.1287

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 50.6640, 39.1163, 8.1287 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 52) }
```

Border

The CSS property to change the border of an element to XYZ 50.6640, 39.1163, 8.1287 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, 52) }
```


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

```
.border{ border-color:rgb(255, 136, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6640, 39.1163, 8.1287 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, 52) }
```

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

```
.background{ background-color: rgb(255,  
136, 52) }
```

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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