

Converting Colors

XYZ(49.7199, 38.1192, 5.0670)

Have a look what the booklet for
XYZ(49.7199, 38.1192, 5.0670)
contains.

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Color

**XYZ(49.6879, 38.0592,
5.0439)**

Conversions

Conversions Part 1

Format	Color
Hex	FF850B
RGB	255, 133, 11
RGB Percent	100%, 52%, 4%
CMY	0.0000, 0.4784, 0.9568
CMYK	0.00, 0.48, 0.96, 0.00
HSL	30°, 100%, 52%
HSV	30°, 96%, 100%
XYZ	49.6879, 38.0592, 5.0439
YIQ	155.5700, 111.8740, -12.0780

Conversions

Conversions Part 2

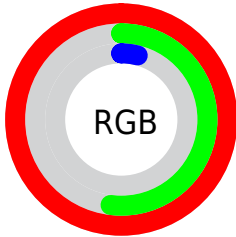
Format	Color
R_YB	255, 255, 11
Decimal	16745739
CIE _{Lab}	68.06, 40.44, 73.11
CIE _{LCh}	68, 83.549, 61.051
Yxy	38.0592, 0.5355, 0.4102
Android (android.graphics.Color)	4294935819 (0xFFFF850B)
YUV	155.5700, -71.2730, 87.2001
Hunter-Lab	61.6921, 35.8057, 38.3370

Details

The XYZ color **49.6879, 38.0592, 5.0439** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **26.5755, 24.0662, 97.8515**, and the grayscale version is **31.6823, 33.3323, 36.2988**.

A 20% lighter version of the original color is **60.3499, 57.3365, 14.9074**, and **24.4283, 16.9612, 1.9863** is the 20% darker color. If you saturate the color by 10%, you get **48.8942, 36.5690, 4.4815**, and if you desaturate by 10%, it is **51.8075, 41.8734, 7.0619**.

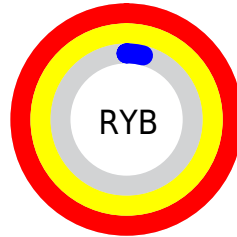
Distribution



Red (100%)

Green (52%)

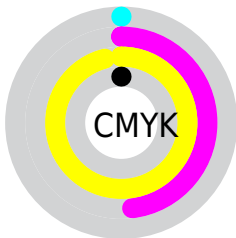
Blue (4%)



Red (100%)

Yellow (100%)

Blue (4%)

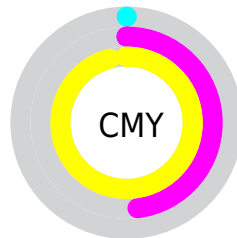


Cyan (0%)

Magenta (48%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6879, 38.0592, 5.0439 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 49.6879, 38.0592, 5.0439 by changing the saturation by 10% instead.


 49.6879, 38.0592,
5.0439


 49.6879, 38.0592,
5.0439


375.9164,
337.8739, 159.2043


 35.3823, 26.0286,
2.2139


 88.9069, 72.1989,
16.3535

 24.1254, 16.8451,
0.6823


 114.5509, 95.0768,
25.6702

 15.5519, 10.1241,
0.0000


 144.7051,
122.3392, 37.9862

 9.2965, 5.4813,
0.0000

 179.7349,
154.3706, 53.7200

 4.9937, 2.5323,
0.0000

 220.0055,
191.5554, 73.2902


 2.2783, 0.8928,
0.0000

 265.8824,


 0.7835, 0.0000,


234.2780, 97.1152


0.0000


 317.7309,
282.9226, 125.6138


 0.0000, 0.0000,
0.0000


 49.6879, 38.0592,
5.0439

 49.6879, 38.0592,
5.0439


 48.8942, 36.5690,
4.4815

 51.8075, 41.8734,
7.0619

 54.4229, 46.2348,
10.6145

 57.5922, 51.1792,
15.9693

 61.3625, 56.7358,
23.3423

 65.7748, 62.9312,
32.9185

70.8659, 69.7897,
44.8617

76.6692, 77.3340,
59.3199

83.2160, 85.5856,
76.4292

90.5352, 94.5648,
96.3155

Harmonies

Analogous

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



62.1248, 38.0592, 14.3771



49.6879, 38.0592, 5.0439



35.7170, 38.0592, 3.1510

Triad

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



49.6879, 38.0592, 5.0439



16.4801, 38.0592, 42.7686



50.6769, 38.0592, 138.1448

Complementary

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



49.6879, 38.0592, 5.0439



26.5755, 24.0662, 97.8515

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.



36.6351, 38.0592, 162.3209



49.6879, 38.0592, 5.0439



18.6927, 38.0592, 90.4841

Square

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



49.6879, 38.0592, 5.0439



18.3987, 38.0592, 15.5310



25.3638, 38.0592, 141.0994



62.7855, 38.0592, 86.7055

Rectangle

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



49.6879, 38.0592, 5.0439



27.9098, 38.0592, 4.0872



25.3638, 38.0592, 141.0994



45.9273, 38.0592, 150.7525

Sweetspot

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



49.6887, 38.0613, 5.0446



74.6638, 74.7547, 54.2369



45.5933, 23.1929, 24.2654



15.4543, 15.3147, 10.2998



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.



49.6887, 38.0613, 5.0446



48.8947, 36.5693, 4.4816



77.0598, 92.8034, 14.1682



18.7598, 19.4878, 18.9171



25.6978, 19.4069, 2.3915



2.6113, 2.1080, 0.2693

Inverse Universe

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



26.5755, 24.0662, 97.8515



25.7036, 22.5271, 97.6012



18.3077, 7.5307, 95.0956



17.7534, 18.8784, 22.9581



13.5800, 12.0695, 51.0485



1.4314, 1.3936, 5.0068

Previews

White Background



This preview shows how the XYZ color 49.6879, 38.0592, 5.0439 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 49.6879, 38.0592, 5.0439 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 49.6879, 38.0592, 5.0439

Background



This preview shows how black text looks on a background with the XYZ color 49.6879, 38.0592, 5.0439.



This preview shows how white text looks on a background with the XYZ color 49.6879, 38.0592,

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

49.6879, 38.0592, 5.0439

Protanopia

34.4771, 38.2682, 6.4335

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

49.6879, 38.0592, 5.0439

Protanomaly

38.9903, 37.4868, 5.7968

Deuteranomaly

42.1334, 37.6724, 5.1657

Tritanomaly

50.9357, 37.6987, 14.2648

Monochromacy



Original Color

49.6879, 38.0592, 5.0439

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.7763, 33.3655, 17.4392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6879, 38.0592, 5.0439 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, 133, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 11)  
}
```

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, 133, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 11) }
```

Border

The CSS property to change the border of an element to XYZ 49.6879, 38.0592, 5.0439 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, 133, 11) }
```


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

```
.border{ border-color:rgb(255, 133, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6879, 38.0592, 5.0439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 11) }
```

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

```
.background{ background-color: rgb(255,  
133, 11) }
```

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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