

Converting Colors

XYZ(50.0444, 40.2523, 5.1318)

Have a look what the booklet for
XYZ(50.0444, 40.2523, 5.1318)
contains.

XYZ(49.8179, 40.0414, 5.1031)	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(49.8179, 40.0414,
5.1031)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8E00
RGB	252, 142, 0
RGB Percent	99%, 56%, 0%
CMY	0.0118, 0.4431, 0.9999
CMYK	0.00, 0.44, 1.00, 0.01
HSL	34°, 100%, 49%
HSV	34°, 100%, 99%
XYZ	49.8179, 40.0414, 5.1031
YIQ	158.7020, 111.1420, -20.8420

Conversions

Conversions Part 2

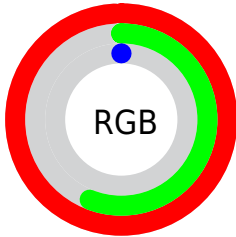
Format	Color
RYB	195, 252, 0
Decimal	16551424
CIELab	69.50, 34.61, 75.30
CIELCh	69, 82.875, 65.318
Yxy	40.0414, 0.5246, 0.4217
Android (android.graphics.Color)	4294741504 (0xFFFC8E00)
YUV	158.7020, -78.2401, 81.8223
Hunter-Lab	63.2783, 29.7930, 39.5133

Details

The XYZ color **49.8179, 40.0414, 5.1031** 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 **23.1471, 18.1812, 94.3841**, and the grayscale version is **33.1307, 34.8561, 37.9583**.

A 20% lighter version of the original color is **62.2499, 61.2479, 15.1977**, and **24.4801, 18.1735, 2.2176** is the 20% darker color. If you saturate the color by 10%, you get **49.8179, 40.0419, 5.1032**, and if you desaturate by 10%, it is **51.7148, 43.5512, 6.6123**.

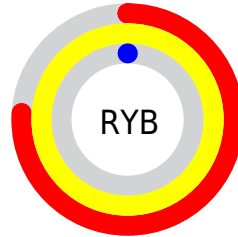
Distribution



Red (99%)

Green (56%)

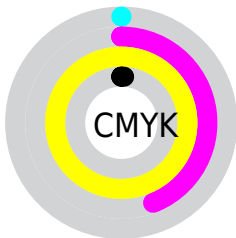
Blue (0%)



Red (76%)

Yellow (99%)

Blue (0%)

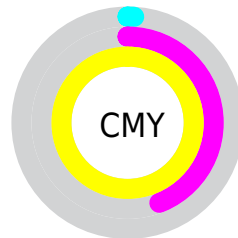


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8179, 40.0414, 5.1031 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 49.8179, 40.0414, 5.1031 by changing the saturation by 10% instead.


 49.8179, 40.0414,
5.1031

 49.8179, 40.0414,
5.1031


376.4172,
346.2980, 159.7940

 35.4859, 27.5708,
2.2481


 89.0984, 75.2266,
16.4831


 24.2057, 18.0024,
0.7019


 114.7777, 98.7099,
25.8451

 15.6118, 10.9517,
0.0000


 144.9702,
126.6330, 38.2132

 9.3390, 6.0344,
0.0000

 180.0411,
159.3802, 54.0060

 5.0218, 2.8660,
0.0000

 220.3560,
197.3359, 73.6419


 2.2950, 1.0622,
0.0000

 266.2800,


 0.7921, 0.0000,


240.8845, 97.5395


0.0000

 318.1786,
290.4104, 126.1173


 0.0000, 0.0000,
0.0000


 49.8179, 40.0414,
5.1031


 49.8179, 40.0414,
5.1031


 49.8179, 40.0419,
5.1032

 51.7148, 43.5512,
6.6123

 54.0060, 47.4826,
9.3831

 56.7669, 51.8743,
13.7879

 60.0446, 56.7517,
20.0533

 63.8789, 62.1373,
28.3698

68.3051, 68.0512,
38.9038

73.3549, 74.5122,
51.8045

79.0577, 81.5378,
67.2082

85.4406, 89.1446,
85.2406

Harmonies

Analogous

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



63.0873, 40.0414, 13.4075



49.8179, 40.0414, 5.1031



35.7276, 40.0414, 3.7195

Triad

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



49.8179, 40.0414, 5.1031



17.7903, 40.0414, 50.7752



54.9149, 40.0414, 135.3289

Complementary

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



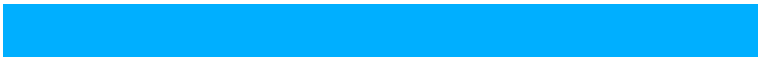
49.8179, 40.0414, 5.1031



23.1471, 18.1812, 94.3841

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.



40.4879, 40.0414, 165.4461



49.8179, 40.0414, 5.1031



20.7172, 40.0414, 101.4222

Square

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



49.8179, 40.0414, 5.1031



19.1708, 40.0414, 19.5372



28.3120, 40.0414, 150.3560



66.4797, 40.0414, 82.0762

Rectangle

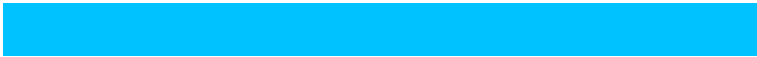
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8179, 40.0414, 5.1031



28.1002, 40.0414, 5.1862



28.3120, 40.0414, 150.3560



50.1279, 40.0414, 149.5692

Sweetspot

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



49.8188, 40.0435, 5.1038



75.3434, 76.5289, 53.1837



43.1483, 21.8970, 17.6955



15.6411, 15.7662, 10.1219



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.



49.8188, 40.0435, 5.1038



51.1668, 41.1136, 5.2389



70.5420, 88.0407, 13.2760



18.0562, 18.8482, 18.1488



26.1003, 21.1573, 2.7081



2.5228, 2.1705, 0.2860

Inverse Universe

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



23.1471, 18.1812, 94.3841



23.7680, 18.6560, 96.9560



17.7310, 7.1112, 92.5329



16.9063, 17.8895, 21.9473



12.1978, 9.7512, 49.2128



1.2331, 1.1099, 4.5924

Previews

White Background



This preview shows how the XYZ color 49.8179, 40.0414, 5.1031 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 49.8179, 40.0414, 5.1031 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 49.8179, 40.0414, 5.1031

Background



This preview shows how black text looks on a background with the XYZ color 49.8179, 40.0414, 5.1031.



This preview shows how white text looks on a background with the XYZ color 49.8179, 40.0414,

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

49.8179, 40.0414, 5.1031

Protanopia

36.4274, 40.3828, 6.5365

Deuteranopia

40.7692, 39.9368, 5.5598



Tritanopia

54.5100, 39.9881, 30.4367

Trichromacy



Original Color

49.8179, 40.0414, 5.1031

Protanomaly

40.3750, 39.4668, 5.8706

Deuteranomaly

43.5505, 39.6052, 5.3492

Tritanomaly

51.5227, 39.4173, 14.5656

Monochromacy



Original Color

49.8179, 40.0414, 5.1031

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.7325, 35.0595, 17.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8179, 40.0414, 5.1031 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(252, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 142, 0)  
}
```

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(252, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.8179, 40.0414, 5.1031 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(252, 142, 0) }
```


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

```
.border{ border-color:rgb(252, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 142,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8179, 40.0414, 5.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 142, 0) }
```

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

```
.background{ background-color: rgb(252,  
142, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor