

Converting Colors

XYZ(50.8524, 40.4617, 5.2051)

Have a look what the booklet for
XYZ(50.8524, 40.4617, 5.2051)
contains.

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Color

**XYZ(50.9294, 40.6126,
5.2409)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E03
RGB	255, 142, 3
RGB Percent	100%, 56%, 1%
CMY	0.0000, 0.4431, 0.9882
CMYK	0.00, 0.44, 0.99, 0.00
HSL	33°, 100%, 51%
HSV	33°, 99%, 100%
XYZ	50.9294, 40.6126, 5.2409
YIQ	159.9410, 111.9670, -19.2730

Conversions

Conversions Part 2

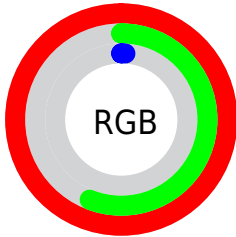
Format	Color
R_{YB}	208, 255, 3
Decimal	16748035
CIE _{Lab}	69.90, 35.84, 75.36
CIE _{LCh}	70, 83.446, 64.565
Yxy	40.6126, 0.5262, 0.4196
Android (android.graphics.Color)	4294938115 (0xFFFF8E03)
YUV	159.9410, -77.3719, 83.3667
Hunter-Lab	63.7280, 31.1275, 39.7337

Details

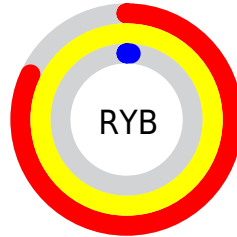
The XYZ color **50.9294, 40.6126, 5.2409** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.3333, 19.7309, 97.1327**, and the grayscale version is **33.6976, 35.4525, 38.6078**.

A 20% lighter version of the original color is **62.5108, 61.7143, 15.4549**, and **25.1420, 18.3887, 2.2242** is the 20% darker color. If you saturate the color by 10%, you get **50.7140, 40.2086, 5.0881**, and if you desaturate by 10%, it is **52.9191, 44.2736, 6.8875**.

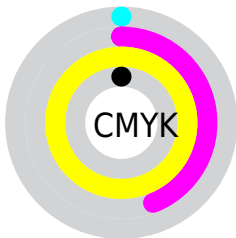
Distribution



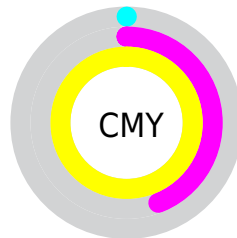
- Red (100%)
- Green (56%)
- Blue (1%)



- Red (82%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (44%)
- Yellow (99%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9294, 40.6126, 5.2409 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 50.9294, 40.6126, 5.2409 by changing the saturation by 10% instead.


 50.9294, 40.6126,
5.2409


 50.9294, 40.6126,
5.2409


380.6816,
348.6989, 161.1547

 36.3732, 28.0165,
2.3281


 90.7340, 76.0955,
16.7833


 24.8940, 18.3381,
0.7469


 116.7132, 99.7510,
26.2500

 16.1264, 11.1930,
0.0000


 147.2307,
127.8618, 38.7384

 9.7051, 6.1968,
0.0000

 182.6520,
160.8123, 54.6670

 5.2646, 2.9651,
0.0000

 223.3424,
198.9869, 74.4544

 2.4397, 1.1135,
0.0000

 269.6672,

 0.8649, 0.0000,

242.7699, 98.5191

0.0000

321.9918,
292.5458, 127.2797

0.0000, 0.0000,
0.0000

50.9294, 40.6126,
5.2409

50.9294, 40.6126,
5.2409

50.7140, 40.2086,
5.0881

52.9191, 44.2736,
6.8875

55.3386, 48.3919,
9.9154

58.2559, 53.0044,
14.6556

61.7187, 58.1374,
21.3365

65.7679, 63.8144,
30.1507

70.4395, 70.0569,
41.2674

75.7665, 76.8846,
54.8386

81.7788, 84.3160,
71.0032

88.5046, 92.3687,
89.8895

Harmonies

Analogous

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



64.3269, 40.6126, 13.9261



50.9294, 40.6126, 5.2409



36.5609, 40.6126, 3.7255

Triad

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



50.9294, 40.6126, 5.2409



17.9928, 40.6126, 50.4400



55.3812, 40.6126, 138.7401

Complementary

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



50.9294, 40.6126, 5.2409



24.3333, 19.7309, 97.1327

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.



40.7158, 40.6126, 168.4009



50.9294, 40.6126, 5.2409



20.8518, 40.6126, 101.6228

Square

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



50.9294, 40.6126, 5.2409



19.5041, 40.6126, 19.2608



28.4424, 40.6126, 151.8842



67.2911, 40.6126, 84.7144

Rectangle

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



50.9294, 40.6126, 5.2409



28.7363, 40.6126, 5.1261



28.4424, 40.6126, 151.8842



50.4988, 40.6126, 152.9781

Sweetspot

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



50.9303, 40.6148, 5.2416



75.1028, 76.0477, 53.1035



44.4484, 22.5956, 18.6659



15.5841, 15.6520, 10.1028



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.



50.9303, 40.6148, 5.2416



50.7145, 40.2090, 5.0882



72.5314, 90.4739, 13.7269



18.8401, 19.6484, 18.9439



26.6508, 21.3128, 2.7091



2.7040, 2.2934, 0.3002

Inverse Universe

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



24.3333, 19.7309, 97.1327



24.1060, 19.3319, 97.0687



18.2896, 7.3921, 95.0697



17.6736, 18.7189, 22.9316



12.7399, 10.3894, 50.7685



1.3476, 1.2259, 4.9789

Previews

White Background



This preview shows how the XYZ color 50.9294, 40.6126, 5.2409 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 50.9294, 40.6126, 5.2409 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 50.9294, 40.6126, 5.2409

Background



This preview shows how black text looks on a background with the XYZ color 50.9294, 40.6126, 5.2409.



This preview shows how white text looks on a background with the XYZ color 50.9294, 40.6126,

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

50.9294, 40.6126, 5.2409

Protanopia

36.8802, 40.8966, 6.6595

Deuteranopia

41.2392, 40.4396, 5.6321



Tritanopia

54.9380, 40.6016, 31.3269

Trichromacy



Original Color

50.9294, 40.6126, 5.2409

Protanomaly

41.1430, 40.1204, 5.9910

Deuteranomaly

44.3600, 40.2679, 5.4632

Tritanomaly

52.3043, 40.2273, 15.3638

Monochromacy



Original Color

50.9294, 40.6126, 5.2409

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.3451, 35.3638, 17.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9294, 40.6126, 5.2409 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, 142, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 3)  
}
```

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, 142, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 3) }
```

Border

The CSS property to change the border of an element to XYZ 50.9294, 40.6126, 5.2409 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, 142, 3) }
```


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

```
.border{ border-color:rgb(255, 142, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9294, 40.6126, 5.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 3) }
```

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

```
.background{ background-color: rgb(255,  
142, 3) }
```

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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