

Converting Colors

XYZ(49.3059, 41.2430, 5.3620)

Have a look what the booklet for
XYZ(49.3059, 41.2430, 5.3620)
contains.

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Color

**XYZ(49.3013, 41.1363,
5.3416)**

Conversions

Conversions Part 1

Format	Color
Hex	F89400
RGB	248, 148, 0
RGB Percent	97%, 58%, 0%
CMY	0.0275, 0.4196, 1.0000
CMYK	0.00, 0.40, 1.00, 0.03
HSL	36°, 100%, 49%
HSV	36°, 100%, 97%
XYZ	49.3013, 41.1363, 5.3416
YIQ	161.0280, 107.1080, -24.8280

Conversions

Conversions Part 2

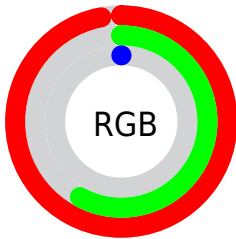
Format	Color
R _Y B	168, 248, 0
Decimal	16290816
CIE Lab	70.27, 29.88, 75.53
CIE LCh	70, 81.224, 68.416
Yxy	41.1363, 0.5147, 0.4295
Android (android.graphics.Color)	4294480896 (0xFFFF89400)
YUV	161.0280, -79.3868, 76.2744
Hunter-Lab	64.1376, 24.9687, 39.9584

Details

The XYZ color **49.3013, 41.1363, 5.3416** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **21.5007, 15.8922, 90.7405**, and the grayscale version is **34.2138, 35.9956, 39.1992**.

A 20% lighter version of the original color is **63.6650, 64.0229, 15.8396**, and **24.2823, 18.8637, 2.3612** is the 20% darker color. If you saturate the color by 10%, you get **49.3014, 41.1370, 5.3418**, and if you desaturate by 10%, it is **51.1126, 44.4818, 6.8010**.

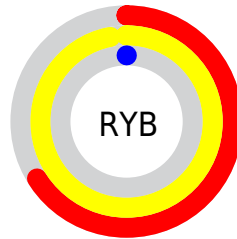
Distribution



Red (97%)

Green (58%)

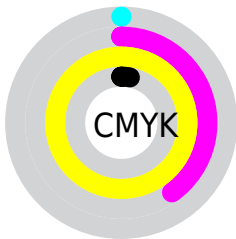
Blue (0%)



Red (66%)

Yellow (97%)

Blue (0%)

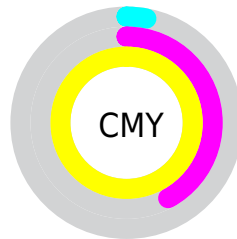


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3013, 41.1363, 5.3416 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 49.3013, 41.1363, 5.3416 by changing the saturation by 10% instead.


 49.3013, 41.1363,
5.3416


 49.3013, 41.1363,
5.3416


374.4246,
350.8900, 162.1388

 35.0741, 28.4256,
2.3868


 88.3368, 76.8908,
17.0016


 23.8867, 18.6467,
0.7793


 113.8758,
100.7033, 26.5440


 15.3739, 11.4153,
0.0000


 143.9161,
128.9853, 39.1193

 9.1702, 6.3469,
0.0000

 178.8231,
162.1210, 55.1461

 4.9104, 3.0571,
0.0000

 218.9620,
200.4950, 75.0429

 2.2290, 1.1616,
0.0000

 264.6984,

 0.7580, 0.0300,

244.4915, 99.2282

0.0000

316.3974,
294.4950, 128.1207

0.0000, 0.0000,
0.0000

49.3013, 41.1363,
5.3416

49.3013, 41.1363,
5.3416

49.3014, 41.1370,
5.3418

51.1126, 44.4818,
6.8010

53.2823, 48.1910,
9.4673

55.8827, 52.2996,
13.7009

58.9578, 56.8302,
19.7193

62.5452, 61.8025,
27.7050

■ 66.6779, 67.2345,
37.8179

■ 71.3858, 73.1424,
50.2012

■ 76.6962, 79.5417,
64.9856

■ 82.6345, 86.4468,
82.2916

Harmonies

Analogous

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



62.8046, 41.1363, 12.9176



49.3013, 41.1363, 5.3416



35.4675, 41.1363, 4.3544

Triad

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



49.3013, 41.1363, 5.3416



18.8360, 41.1363, 56.4110



57.2772, 41.1363, 130.3876

Complementary

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



49.3013, 41.1363, 5.3416



21.5007, 15.8922, 90.7405

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.



42.9699, 41.1363, 163.6459



49.3013, 41.1363, 5.3416



22.2641, 41.1363, 107.6038

Square

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



49.3013, 41.1363, 5.3416



19.7860, 41.1363, 22.8573



30.4109, 41.1363, 153.5312



68.0895, 41.1363, 77.5678

Rectangle

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



49.3013, 41.1363, 5.3416



28.1300, 41.1363, 6.2879



30.4109, 41.1363, 153.5312



52.6022, 41.1363, 145.2819

Sweetspot

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



49.3022, 41.1385, 5.3423



76.0233, 77.8888, 53.4103



41.1765, 20.9426, 14.7936



15.8027, 16.0893, 10.1757



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.



49.3022, 41.1385, 5.3423



52.4976, 43.7753, 5.6825



65.3510, 83.5194, 12.6768



18.1061, 18.9480, 18.1654



26.7741, 22.5048, 2.9327



2.5836, 2.2921, 0.3063

Inverse Universe

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



21.5007, 15.8922, 90.7405



22.8823, 16.8845, 96.6608



17.2457, 6.9334, 89.2355



16.8575, 17.7919, 21.9310



11.7431, 8.8419, 49.0613



1.1885, 1.0206, 4.5775

Previews

White Background



This preview shows how the XYZ color 49.3013, 41.1363, 5.3416 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 49.3013, 41.1363, 5.3416 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 49.3013, 41.1363, 5.3416

Background



This preview shows how black text looks on a background with the XYZ color 49.3013, 41.1363, 5.3416.



This preview shows how white text looks on a background with the XYZ color 49.3013, 41.1363,

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

49.3013, 41.1363, 5.3416

Protanopia

37.3092, 41.4035, 6.6414

Deuteranopia

42.0106, 41.0998, 5.7189



Tritanopia

54.9418, 41.1977, 33.0732

Trichromacy



Original Color

49.3013, 41.1363, 5.3416

Protanomaly

41.0734, 40.8736, 6.0724

Deuteranomaly

44.5400, 41.1117, 5.5878

Tritanomaly

51.4770, 40.6634, 15.7254

Monochromacy



Original Color

49.3013, 41.1363, 5.3416

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.2791, 36.0737, 17.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3013, 41.1363, 5.3416 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(248, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 148, 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(248, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.3013, 41.1363, 5.3416 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(248, 148, 0) }
```


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

```
.border{ border-color:rgb(248, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3013, 41.1363, 5.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 148, 0) }
```

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

```
.background{ background-color: rgb(248,  
148, 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](#).

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