

Converting Colors

XYZ(49.7003, 42.8190, 5.6454)

Have a look what the booklet for
XYZ(49.7003, 42.8190, 5.6454)
contains.

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Color

**XYZ(49.5616, 42.7040,
5.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	F69A00
RGB	246, 154, 0
RGB Percent	96%, 60%, 0%
CMY	0.0353, 0.3961, 0.9999
CMYK	0.00, 0.37, 1.00, 0.04
HSL	38°, 100%, 48%
HSV	38°, 100%, 96%
XYZ	49.5616, 42.7040, 5.6305
YIQ	163.9520, 104.2660, -28.3900

Conversions

Conversions Part 2

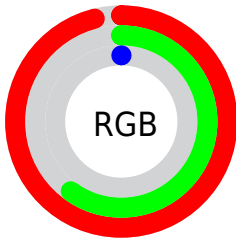
Format	Color
RYB	147, 246, 0
Decimal	16161280
CIELab	71.35, 25.92, 76.10
CIELCh	71, 80.391, 71.190
Yxy	42.7040, 0.5063, 0.4362
Android (android.graphics.Color)	4294351360 (0xFFFF69A00)
YUV	163.9520, -80.8283, 71.9561
Hunter-Lab	65.3483, 21.0188, 40.6353

Details

The XYZ color **49.5616, 42.7040, 5.6305** 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 **20.4622, 14.3090, 88.8714**, and the grayscale version is **35.6035, 37.4576, 40.7914**.

A 20% lighter version of the original color is **65.3800, 67.3968, 16.5842**, and **24.3787, 19.7678, 2.5307** is the 20% darker color. If you saturate the color by 10%, you get **49.5616, 42.7046, 5.6306**, and if you desaturate by 10%, it is **51.3110, 45.9291, 7.0588**.

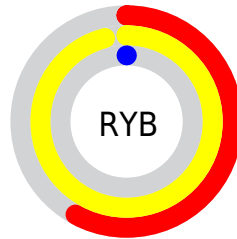
Distribution



Red (96%)

Green (60%)

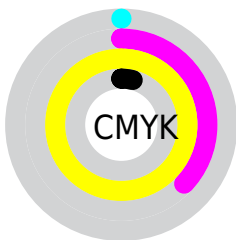
Blue (0%)



Red (58%)

Yellow (96%)

Blue (0%)

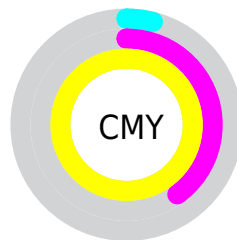


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5616, 42.7040, 5.6305 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 49.5616, 42.7040, 5.6305 by changing the saturation by 10% instead.

49.5616, 42.7040,
5.6305

49.5616, 42.7040,
5.6305

375.4294,
357.3931, 164.9165

35.2816, 29.6529,
2.5566

88.7207, 79.2640,
17.6232

24.0474, 19.5753,
0.8699

114.3305,
103.5417, 27.3792

15.4937, 12.0867,
0.0000

144.4475,
132.3304, 40.1995

9.2552, 6.8028,
0.0000

179.4372,
166.0146, 56.5028

4.9664, 3.3391,
0.0000

219.6649,
204.9785, 76.7076

2.2621, 1.3112,
0.0000

265.4959,

0.7752, 0.1499,

249.6066, 101.2325

0.0000

317.2956,
300.2834, 130.4959

0.0000, 0.0000,
0.0000

49.5616, 42.7040,
5.6305

49.5616, 42.7040,
5.6305

49.5616, 42.7046,
5.6306

51.3110, 45.9291,
7.0588

53.3946, 49.4762,
9.6650

55.8828, 53.3794,
13.8035

58.8183, 57.6593,
19.6871

62.2372, 62.3342,
27.4945

■ 66.1712, 67.4202,
37.3823

■ 70.6491, 72.9325,
49.4906

■ 75.6970, 78.8848,
63.9474

■ 81.3394, 85.2902,
80.8707

Harmonies

Analogous

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



63.4649, 42.7040, 12.6799



49.5616, 42.7040, 5.6305



35.7496, 42.7040, 5.0267

Triad

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



49.5616, 42.7040, 5.6305



20.0538, 42.7040, 62.4958



60.2306, 42.7040, 128.0476

Complementary

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



49.5616, 42.7040, 5.6305



20.4622, 14.3090, 88.8714

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.



45.8463, 42.7040, 164.4602



49.5616, 42.7040, 5.6305



23.9996, 42.7040, 114.7884

Square

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



49.5616, 42.7040, 5.6305



20.6178, 42.7040, 26.3853



32.7702, 42.7040, 158.5869



70.5075, 42.7040, 74.8727

Rectangle

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



49.5616, 42.7040, 5.6305



28.5587, 42.7040, 7.4602



32.7702, 42.7040, 158.5869



55.5965, 42.7040, 143.7019

Sweetspot

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



49.5625, 42.7062, 5.6313



76.6290, 79.1001, 53.6122



40.0401, 20.4066, 12.4908



15.9470, 16.3779, 10.2238



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.



49.5625, 42.7062, 5.6313



53.7480, 46.2759, 6.0993



61.6603, 80.7088, 12.3289



17.3636, 18.2112, 17.3975



26.5934, 23.0724, 3.0518



2.4357, 2.2247, 0.3010

Inverse Universe

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



20.4622, 14.3090, 88.8714



22.1750, 15.4700, 96.4250



17.1331, 6.9111, 87.6190



16.0889, 16.9420, 20.9647



11.0450, 7.8839, 47.4776



1.0660, 0.8834, 4.2046

Previews

White Background



This preview shows how the XYZ color 49.5616, 42.7040, 5.6305 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 49.5616, 42.7040, 5.6305 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 49.5616, 42.7040, 5.6305

Background



This preview shows how black text looks on a background with the XYZ color 49.5616, 42.7040, 5.6305.



This preview shows how white text looks on a background with the XYZ color 49.5616, 42.7040,

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

49.5616, 42.7040, 5.6305

Protanopia

38.9232, 43.1001, 6.8399

Deuteranopia

43.4550, 42.6446, 5.9409



Tritanopia

55.8001, 42.6735, 35.8677

Trichromacy



Original Color

49.5616, 42.7040, 5.6305

Protanomaly

42.0874, 42.4765, 6.2971

Deuteranomaly

45.5535, 42.6637, 5.8340

Tritanomaly

52.0627, 42.0733, 16.9322

Monochromacy



Original Color

49.5616, 42.7040, 5.6305

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.3176, 37.6104, 18.3894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5616, 42.7040, 5.6305 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(246, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 154, 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(246, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.5616, 42.7040, 5.6305 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(246, 154, 0) }
```


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

```
.border{ border-color:rgb(246, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 154,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5616, 42.7040, 5.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 154, 0) }
```

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

```
.background{ background-color: rgb(246,  
154, 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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