

Converting Colors

XYZ(48.5150, 42.2310, 2.1971)

Have a look what the booklet for
XYZ(48.5150, 42.2310, 2.1971)
contains.

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Color

**XYZ(49.2118, 42.5237,
5.6141)**

Conversions

Conversions Part 1

Format	Color
Hex	F59A00
RGB	245, 154, 0
RGB Percent	96%, 60%, 0%
CMY	0.0392, 0.3961, 1.0000
CMYK	0.00, 0.37, 1.00, 0.04
HSL	38°, 100%, 48%
HSV	38°, 100%, 96%
XYZ	49.2118, 42.5237, 5.6141
YIQ	163.6530, 103.6700, -28.6020

Conversions

Conversions Part 2

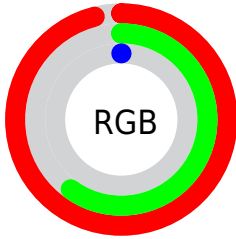
Format	Color
RYB	145, 245, 0
Decimal	16095744
CIELab	71.23, 25.50, 75.96
CIELCh	71, 80.125, 71.441
Yxy	42.5237, 0.5055, 0.4368
Android (android.graphics.Color)	4294285824 (0xFFFF59A00)
YUV	163.6530, -80.6809, 71.3413
Hunter-Lab	65.2102, 20.5897, 40.5427

Details

The XYZ color **49.2118, 42.5237, 5.6141** 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 **20.2229, 14.0755, 88.0365**, and the grayscale version is **35.4602, 37.3069, 40.6272**.

A 20% lighter version of the original color is **65.3800, 67.3968, 16.5842**, and **24.1417, 19.6456, 2.5196** is the 20% darker color. If you saturate the color by 10%, you get **49.2119, 42.5244, 5.6143**, and if you desaturate by 10%, it is **50.9423, 45.7128, 7.0308**.

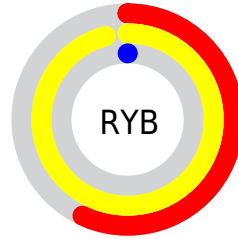
Distribution



Red (96%)

Green (60%)

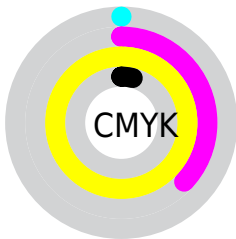
Blue (0%)



Red (57%)

Yellow (96%)

Blue (0%)

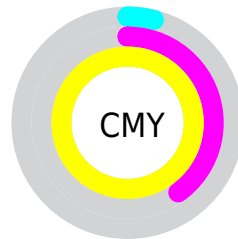


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2118, 42.5237, 5.6141 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 49.2118, 42.5237, 5.6141 by changing the saturation by 10% instead.


 49.2118, 42.5237,
5.6141


 49.2118, 42.5237,
5.6141


374.0787,
356.6493, 164.7606

 35.0028, 29.5116,
2.5469


 88.2048, 78.9916,
17.5881


 23.8315, 19.4682,
0.8649


 113.7194,
103.2162, 27.3321


 15.3327, 12.0090,
0.0000


 143.7333,
131.9470, 40.1387

 9.1411, 6.7498,
0.0000

 178.6117,
165.5686, 56.4265

 4.8912, 3.3061,
0.0000

 218.7202,
204.4652, 76.6140

 2.2176, 1.2936,
0.0000

 264.4239,

 0.7520, 0.1362,

249.0212, 101.1199

0.0000

316.0883,
299.6211, 130.3625

0.0000, 0.0000,
0.0000

49.2118, 42.5237,
5.6141

49.2118, 42.5237,
5.6141

49.2119, 42.5244,
5.6143

50.9423, 45.7128,
7.0308

53.0024, 49.2179,
9.6135

55.4617, 53.0726,
13.7135

58.3625, 57.2973,
19.5416

61.7404, 61.9100,
27.2748

■ 65.6269, 66.9266,
37.0677

■ 70.0503, 72.3619,
49.0594

■ 75.0366, 78.2296,
63.3763

■ 80.6098, 84.5424,
80.1354

Harmonies

Analogous

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



63.0463, 42.5237, 12.5632



49.2118, 42.5237, 5.6141



35.5056, 42.5237, 5.0515

Triad

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



49.2118, 42.5237, 5.6141



20.0133, 42.5237, 62.5862



60.0446, 42.5237, 126.8784

Complementary

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



49.2118, 42.5237, 5.6141



20.2229, 14.0755, 88.0365

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.



45.7628, 42.5237, 163.2964



49.2118, 42.5237, 5.6141



23.9772, 42.5237, 114.5784

Square

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



49.2118, 42.5237, 5.6141



20.5375, 42.5237, 26.5163



32.7388, 42.5237, 157.8492



70.1946, 42.5237, 74.0731

Rectangle

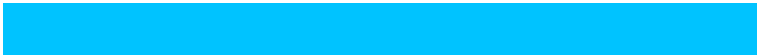
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2118, 42.5237, 5.6141



28.3819, 42.5237, 7.5145



32.7388, 42.5237, 157.8492



55.4495, 42.5237, 142.4818

Sweetspot

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



49.2127, 42.5259, 5.6149



76.6824, 79.2068, 53.6300



39.6730, 20.2194, 12.3835



15.9597, 16.4033, 10.2281



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.



49.2127, 42.5259, 5.6149



53.8610, 46.5020, 6.1370



61.0946, 79.9669, 12.2155



17.3672, 18.2186, 17.3988



26.6487, 23.1830, 3.0702



2.4404, 2.2340, 0.3026

Inverse Universe

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



20.2229, 14.0755, 88.0365



22.1162, 15.3524, 96.4054



16.9767, 6.8481, 86.8126



16.0853, 16.9349, 20.9635



11.0156, 7.8249, 47.4678



1.0632, 0.8777, 4.2036

Previews

White Background



This preview shows how the XYZ color 49.2118, 42.5237, 5.6141 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 49.2118, 42.5237, 5.6141 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 49.2118, 42.5237, 5.6141

Background



This preview shows how black text looks on a background with the XYZ color 49.2118, 42.5237, 5.6141.



This preview shows how white text looks on a background with the XYZ color 49.2118, 42.5237,

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

49.2118, 42.5237, 5.6141

Protanopia

38.4651, 42.5739, 6.7625

Deuteranopia

43.4550, 42.6446, 5.9409



Tritanopia

55.4389, 42.4872, 35.8508

Trichromacy



Original Color

49.2118, 42.5237, 5.6141

Protanomaly

41.6107, 41.9577, 6.2221

Deuteranomaly

45.5535, 42.6637, 5.8340

Tritanomaly

51.7052, 41.8890, 16.9155

Monochromacy



Original Color

49.2118, 42.5237, 5.6141

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.0618, 37.4785, 18.3774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2118, 42.5237, 5.6141 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(245, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.2118, 42.5237, 5.6141 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(245, 154, 0) }
```


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

```
.border{ border-color:rgb(245, 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(245, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 154,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2118, 42.5237, 5.6141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 154, 0) }
```

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

```
.background{ background-color: rgb(245,  
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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