

Converting Colors

XYZ(49.8628, 42.4910, 4.8808)

Have a look what the booklet for
XYZ(49.8628, 42.4910, 4.8808)
contains.

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Color

**XYZ(49.9396, 42.4129,
5.5544)**

Conversions

Conversions Part 1

Format	Color
Hex	F89800
RGB	248, 152, 0
RGB Percent	97%, 60%, 0%
CMY	0.0275, 0.4039, 0.9999
CMYK	0.00, 0.39, 1.00, 0.03
HSL	37°, 100%, 49%
HSV	37°, 100%, 97%
XYZ	49.9396, 42.4129, 5.5544
YIQ	163.3760, 106.0080, -26.9200

Conversions

Conversions Part 2

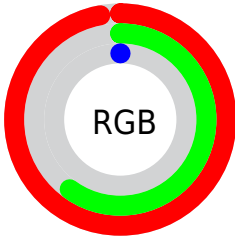
Format	Color
RYB	157, 248, 0
Decimal	16291840
CIELab	71.15, 27.80, 76.09
CIELCh	71, 81.011, 69.932
Yxy	42.4129, 0.5101, 0.4332
Android (android.graphics.Color)	4294481920 (0xFFFF89800)
YUV	163.3760, -80.5444, 74.2152
Hunter-Lab	65.1252, 22.9091, 40.5309

Details

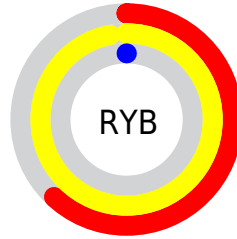
The XYZ color **49.9396, 42.4129, 5.5544** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **21.1266, 15.1440, 90.6157**, and the grayscale version is **35.3268, 37.1665, 40.4744**.

A 20% lighter version of the original color is **64.8924, 66.4215, 16.4216**, and **24.6613, 19.6216, 2.4876** is the 20% darker color. If you saturate the color by 10%, you get **49.9396, 42.4134, 5.5545**, and if you desaturate by 10%, it is **51.7357, 45.7280, 7.0088**.

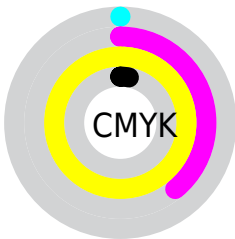
Distribution



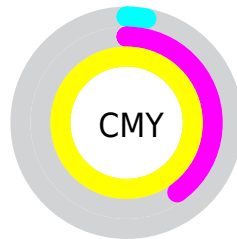
- Red (97%)
- Green (60%)
- Blue (0%)



- Red (62%)
- Yellow (97%)
- Blue (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (100%)
- Black (3%)





- Cyan (3%)
- Magenta (40%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9396, 42.4129, 5.5544 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 49.9396, 42.4129, 5.5544 by changing the saturation by 10% instead.


 49.9396, 42.4129,
5.5544


 49.9396, 42.4129,
5.5544


376.8856,
356.1917, 164.1912


 35.5830, 29.4247,
2.5117


 89.2777, 78.8242,
17.4602

 24.2809, 19.4024,
0.8464


 114.9900,
103.0160, 27.1603

 15.6680, 11.9614,
0.0000


 145.2182,
131.7113, 39.9167

 9.3789, 6.7174,
0.0000

 180.3277,
165.2943, 56.1479

 5.0482, 3.2860,
0.0000

 220.6838,
204.1494, 76.2724


 2.3106, 1.2828,
0.0000


 266.6519,


 0.8001, 0.1278,


248.6611, 100.7087


0.0000


 318.5974,
299.2138, 129.8755


 0.0000, 0.0000,
0.0000


 49.9396, 42.4129,
5.5544


 49.9396, 42.4129,
5.5544


 49.9396, 42.4134,
5.5545

 51.7357, 45.7280,
7.0088

 53.8804, 49.3872,
9.6669

 56.4456, 53.4253,
13.8889

 59.4749, 57.8643,
19.8921

 63.0056, 62.7230,
27.8591

■ 67.0702, 68.0188,
37.9494

■ 71.6984, 73.7673,
50.3063

■ 76.9171, 79.9832,
65.0603

■ 82.7514, 86.6803,
82.3318

Harmonies

Analogous

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



63.7992, 42.4129, 12.9154



49.9396, 42.4129, 5.5544



35.9794, 42.4129, 4.7630

Triad

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



49.9396, 42.4129, 5.5544



19.6939, 42.4129, 60.2973



59.4758, 42.4129, 130.3919

Complementary

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



49.9396, 42.4129, 5.5544



21.1266, 15.1440, 90.6157

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.



44.9796, 42.4129, 165.7342



49.9396, 42.4129, 5.5544



23.4388, 42.4129, 112.6247

Square

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



49.9396, 42.4129, 5.5544



20.4430, 42.4129, 25.0003



32.0092, 42.4129, 157.8561



70.1048, 42.4129, 76.8429

Rectangle

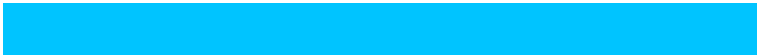
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9396, 42.4129, 5.5544



28.6494, 42.4129, 6.9845



32.0092, 42.4129, 157.8561



54.7753, 42.4129, 145.8584

Sweetspot

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



49.9405, 42.4151, 5.5552



76.3564, 78.5549, 53.5214



40.9733, 20.8614, 13.7236



15.8820, 16.2479, 10.2022



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.



49.9405, 42.4151, 5.5552



53.1777, 45.1354, 5.9092



64.0604, 82.8541, 12.6165



18.1303, 18.9965, 18.1735



27.1178, 23.1923, 3.0473



2.6144, 2.3536, 0.3165

Inverse Universe

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



21.1266, 15.1440, 90.6157



22.4841, 16.0883, 96.5280



17.3396, 6.9818, 89.2399



16.8339, 17.7447, 21.9231



11.5381, 8.4319, 48.9929



1.1680, 0.9796, 4.5707

Previews

White Background



This preview shows how the XYZ color 49.9396, 42.4129, 5.5544 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 49.9396, 42.4129, 5.5544 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 49.9396, 42.4129, 5.5544

Background



This preview shows how black text looks on a background with the XYZ color 49.9396, 42.4129, 5.5544.



This preview shows how white text looks on a background with the XYZ color 49.9396, 42.4129,

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

49.9396, 42.4129, 5.5544

Protanopia

38.4651, 42.5739, 6.7625

Deuteranopia

43.4550, 42.6446, 5.9409



Tritanopia

56.0654, 42.3876, 34.9324

Trichromacy



Original Color

49.9396, 42.4129, 5.5544

Protanomaly

42.1980, 42.2605, 6.2496

Deuteranomaly

45.6999, 42.4787, 5.7906

Tritanomaly

52.4280, 41.8093, 16.6160

Monochromacy



Original Color

49.9396, 42.4129, 5.5544

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.1450, 37.2651, 18.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9396, 42.4129, 5.5544 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, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 152, 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, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.9396, 42.4129, 5.5544 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, 152, 0) }
```


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

```
.border{ border-color:rgb(248, 152, 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, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9396, 42.4129, 5.5544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 152, 0) }
```

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

```
.background{ background-color: rgb(248,  
152, 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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