

Converting Colors

XYZ(48.9202, 42.5996, 8.0430)

Have a look what the booklet for
XYZ(48.9202, 42.5996, 8.0430)
contains.

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Color

**XYZ(48.7939, 42.5018,
8.0148)**

Conversions

Conversions Part 1

Format	Color
Hex	F29B2C
RGB	242, 155, 44
RGB Percent	95%, 61%, 17%
CMY	0.0510, 0.3921, 0.8274
CMYK	0.00, 0.36, 0.82, 0.05
HSL	34°, 88%, 56%
HSV	34°, 82%, 95%
XYZ	48.7939, 42.5018, 8.0148
YIQ	168.3590, 87.4830, -16.0770

Conversions

Conversions Part 2

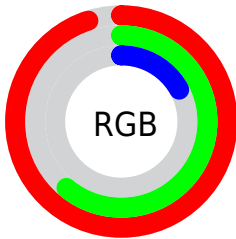
Format	Color
RYB	199, 242, 44
Decimal	15899436
CIELab	71.22, 24.43, 66.55
CIELCh	71, 70.894, 69.846
Yxy	42.5018, 0.4913, 0.4280
Android (android.graphics.Color)	4294089516 (0xFFFF29B2C)
YUV	168.3590, -61.3090, 64.5832
Hunter-Lab	65.1934, 19.5096, 38.3463

Details

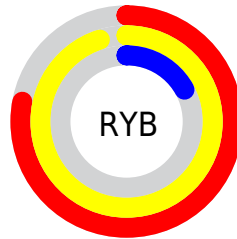
The XYZ color **48.7939, 42.5018, 8.0148** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.1815, 23.1778, 87.1503**, and the grayscale version is **37.6593, 39.6206, 43.1468**.

A 20% lighter version of the original color is **66.5387, 68.2540, 21.4718**, and **23.7727, 19.6039, 2.5310** is the 20% darker color. If you saturate the color by 10%, you get **46.7722, 38.9870, 5.7128**, and if you desaturate by 10%, it is **51.2381, 46.4385, 11.7645**.

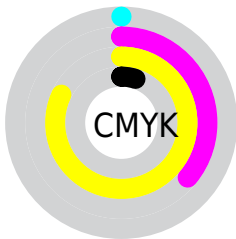
Distribution



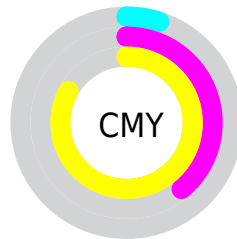
- Red (95%)
- Green (61%)
- Blue (17%)



- Red (78%)
- Yellow (95%)
- Blue (17%)



- Cyan (0%)
- Magenta (36%)
- Yellow (82%)
- Black (5%)





- Cyan (5%)
- Magenta (39%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7939, 42.5018, 8.0148 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 48.7939, 42.5018, 8.0148 by changing the saturation by 10% instead.


 48.7939, 42.5018,
8.0148


 48.7939, 42.5018,
8.0148


372.4608,
356.5589, 185.7870

 34.6699, 29.4944,
4.0165


 87.5878, 78.9585,
22.5341

 23.5740, 19.4552,
1.6344


 112.9885,
103.1766, 33.8922

 15.1409, 11.9996,
0.3152


 142.8787,
131.9005, 48.5406

 9.0053, 6.7434,
0.0000

 177.6238,
165.5144, 66.8980

 4.8018, 3.3022,
0.0000

 217.5892,
204.4028, 89.3827

 2.1650, 1.2914,
0.0000

 263.1403,

 0.7242, 0.1346,

248.9501, 116.4135

0.0000

314.6424,
299.5406, 148.4087

■ 0.0000, 0.0000,
0.0000

■ 48.7939, 42.5018,
8.0148

■ 48.7939, 42.5018,
8.0148

■ 46.7722, 38.9870,
5.7128

■ 51.2381, 46.4385,
11.7645


■ 45.3759, 36.3935,
4.6331


■ 54.1459, 50.8144,
17.1724


■ 57.5554, 55.6524,
24.4162


■ 61.4992, 60.9713,
33.6500

■ 66.0068, 66.7885,
45.0115

 71.1051, 73.1201,
58.6259

 76.8190, 79.9814,
74.6087

 83.1720, 87.3869,
93.0673

 89.0713, 94.9043,
108.2316

Harmonies

Analogous

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



60.6069, 42.5018, 15.7325



48.7939, 42.5018, 8.0148



36.6134, 42.5018, 7.1058

Triad

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



48.7939, 42.5018, 8.0148



21.8037, 42.5018, 58.3960



56.8806, 42.5018, 116.9156

Complementary

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



48.7939, 42.5018, 8.0148



25.1815, 23.1778, 87.1503

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.



44.4321, 42.5018, 145.3611



48.7939, 42.5018, 8.0148



25.2677, 42.5018, 102.1583

Square

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



48.7939, 42.5018, 8.0148



22.5159, 42.5018, 27.1903



33.0228, 42.5018, 138.9299



65.8741, 42.5018, 72.6909

Rectangle

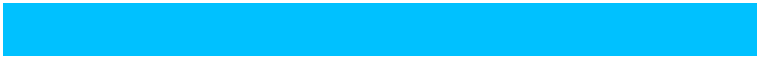
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7939, 42.5018, 8.0148



30.0569, 42.5018, 9.5563



33.0228, 42.5018, 138.9299



52.8714, 42.5018, 129.4296

Sweetspot

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



48.7949, 42.5040, 8.0156



78.1380, 79.9656, 60.7512



41.7591, 22.3750, 24.3450



16.2919, 16.5783, 11.8476



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.



48.7949, 42.5040, 8.0156



51.4244, 41.5840, 5.4626



65.5175, 80.8580, 14.5373



16.5080, 17.2290, 16.6052



24.5150, 19.8281, 2.5351



2.1383, 1.8474, 0.2439

Inverse Universe

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



25.1815, 23.1778, 87.1503



24.2329, 19.4910, 97.0927



18.4439, 8.9940, 84.7676



15.4687, 16.3716, 20.0663



11.5276, 9.2795, 46.3114



1.0564, 0.9668, 3.8852

Previews

White Background



This preview shows how the XYZ color 48.7939, 42.5018, 8.0148 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 48.7939, 42.5018, 8.0148 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 48.7939, 42.5018, 8.0148

Background



This preview shows how black text looks on a background with the XYZ color 48.7939, 42.5018, 8.0148.



This preview shows how white text looks on a background with the XYZ color 48.7939, 42.5018,

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

48.7939, 42.5018, 8.0148

Protanopia

38.6493, 42.6175, 9.0947

Deuteranopia

43.5176, 42.6346, 7.8551



Tritanopia

54.7532, 42.5738, 36.3421

Trichromacy



Original Color

48.7939, 42.5018, 8.0148

Protanomaly

41.9563, 42.3566, 8.6536

Deuteranomaly

45.3155, 42.4947, 7.9117

Tritanomaly

51.8480, 42.3255, 21.6566

Monochromacy



Original Color

48.7939, 42.5018, 8.0148

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.1780, 39.2265, 24.2455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7939, 42.5018, 8.0148 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(242, 155, 44)` looks like.

```
.text, #text, p{  
    color:rgb(242, 155, 44)  
}
```

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(242, 155, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 155, 44) }
```

Border

The CSS property to change the border of an element to XYZ 48.7939, 42.5018, 8.0148 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(242, 155, 44) }
```


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

```
.border{ border-color:rgb(242, 155, 44) }
```

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

Here you see how a box with a 4 pixel rgb(242, 155, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 155, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 155, 44);  
box-shadow:4px 4px 4px 4px rgb(242, 155,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7939, 42.5018, 8.0148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 155, 44) }
```

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

```
.background{ background-color: rgb(242,  
155, 44) }
```

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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