

Converting Colors

XYZ(52.0332, 49.5803, 6.8275)

Have a look what the booklet for
XYZ(52.0332, 49.5803, 6.8275)
contains.

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Color

**XYZ(51.9479, 49.5372,
6.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	F2AF00
RGB	242, 175, 0
RGB Percent	95%, 69%, 0%
CMY	0.0510, 0.3137, 0.9999
CMYK	0.00, 0.28, 1.00, 0.05
HSL	43°, 100%, 47%
HSV	43°, 100%, 95%
XYZ	51.9479, 49.5372, 6.8237
YIQ	175.0830, 96.1070, -40.2210

Conversions

Conversions Part 2

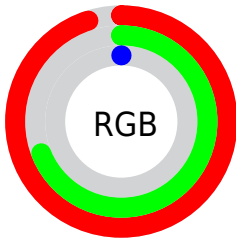
Format	Color
R_{YB}	93, 242, 0
Decimal	15904512
CIE _{Lab}	75.78, 13.18, 78.81
CIE _{LCh}	76, 79.901, 80.505
Yxy	49.5372, 0.4796, 0.4574
Android (android.graphics.Color)	4294094592 (0xFF2AF00)
YUV	175.0830, -86.3159, 58.6862
Hunter-Lab	70.3827, 8.5773, 43.5196

Details

The XYZ color **51.9479, 49.5372, 6.8237** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **18.0349, 10.4264, 85.0656**, and the grayscale version is **41.1912, 43.3363, 47.1932**.

A 20% lighter version of the original color is **71.0220, 78.4477, 19.1832**, and **25.9053, 23.8692, 3.2419** is the 20% darker color. If you saturate the color by 10%, you get **51.9479, 49.5377, 6.8238**, and if you desaturate by 10%, it is **53.4527, 52.2797, 8.1498**.

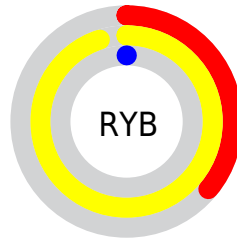
Distribution



Red (95%)

Green (69%)

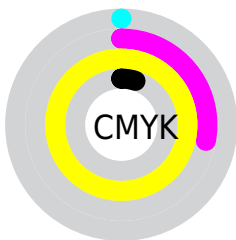
Blue (0%)



Red (36%)

Yellow (95%)

Blue (0%)

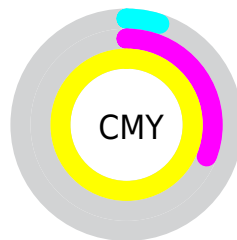


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9479, 49.5372, 6.8237 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 51.9479, 49.5372, 6.8237 by changing the saturation by 10% instead.


 51.9479, 49.5372,
6.8237


 51.9479, 49.5372,
6.8237


384.5627,
384.8533, 175.7656

 37.1877, 35.0458,
3.2753


 92.2291, 89.4888,
20.1244


 25.5272, 23.6982,
1.2369


 118.4807,
115.7178, 30.7139

 16.6011, 15.1099,
0.0092

 149.2935,
146.6281, 44.4874

 10.0440, 8.8965,
0.0000

 185.0329,
182.6041, 61.8636

 5.4906, 4.6738,
0.0000

 226.0641,
224.0303, 83.2610

 2.5756, 2.0571,
0.0000

 272.7526,

 0.9335, 0.6404,

271.2909, 109.0981

0.0000

325.4637,
324.7705, 139.7935

■ 0.0000, 0.0000,
0.0000

■ 51.9479, 49.5372,
6.8237

■ 51.9479, 49.5372,
6.8237

■ 51.9479, 49.5377,
6.8238

■ 53.4527, 52.2797,
8.1498

■ 55.2299, 55.2342,
10.5921

■ 57.3464, 58.4308,
14.4929

■ 59.8418, 61.8867,
20.0562

■ 62.7492, 65.6166,
27.4530

■ 66.0980, 69.6336,
36.8331

■ 69.9144, 73.9494,
48.3309

■ 74.2224, 78.5750,
62.0686

■ 79.0442, 83.5206,
78.1596

Harmonies

Analogous

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



67.6577, 49.5372, 12.2650



51.9479, 49.5372, 6.8237



37.7808, 49.5372, 7.8981

Triad

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



51.9479, 49.5372, 6.8237



25.0994, 49.5372, 87.9173



72.7071, 49.5372, 124.3724

Complementary

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



51.9479, 49.5372, 6.8237



18.0349, 10.4264, 85.0656

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.



57.8004, 49.5372, 172.3565



51.9479, 49.5372, 6.8237



31.1707, 49.5372, 144.7406

Square

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



51.9479, 49.5372, 6.8237



24.1794, 49.5372, 41.5519



42.5329, 49.5372, 181.3098



81.1973, 49.5372, 68.5682

Rectangle

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



51.9479, 49.5372, 6.8237



30.8788, 49.5372, 12.6134



42.5329, 49.5372, 181.3098



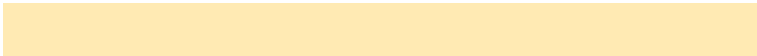
68.1498, 49.5372, 142.9589

Sweetspot

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



51.9490, 49.5397, 6.8246



78.6981, 83.2382, 54.3019



37.6790, 19.3019, 7.3018



16.4420, 17.3679, 10.3888



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.



51.9490, 49.5397, 6.8246



58.4644, 55.7088, 7.6715



52.8799, 74.3956, 11.5732



16.7314, 17.6760, 16.6797



28.0276, 26.8533, 3.7060



2.4146, 2.3998, 0.3360

Inverse Universe

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



18.0349, 10.4264, 85.0656



20.2777, 11.6753, 95.7926



17.4664, 7.1531, 84.4637



15.2534, 15.9410, 19.9946



9.7862, 5.7967, 45.7310



0.8947, 0.6434, 3.8312

Previews

White Background



This preview shows how the XYZ color 51.9479, 49.5372, 6.8237 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 51.9479, 49.5372, 6.8237 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 51.9479, 49.5372, 6.8237

Background



This preview shows how black text looks on a background with the XYZ color 51.9479, 49.5372, 6.8237.



This preview shows how white text looks on a background with the XYZ color 51.9479, 49.5372,

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

51.9479, 49.5372, 6.8237

Protanopia

44.9265, 49.8470, 7.6690

Deuteranopia

50.6472, 49.4488, 6.8752



Tritanopia

60.2594, 49.6135, 46.9578

Trichromacy



Original Color

51.9479, 49.5372, 6.8237

Protanomaly

47.1070, 49.4163, 7.3139

Deuteranomaly

51.1219, 49.4014, 6.8410

Tritanomaly

55.0457, 48.5593, 21.5106

Monochromacy



Original Color

51.9479, 49.5372, 6.8237

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.7524, 43.9498, 21.3215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9479, 49.5372, 6.8237 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, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 175, 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(242, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.9479, 49.5372, 6.8237 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, 175, 0) }
```


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

```
.border{ border-color:rgb(242, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9479, 49.5372, 6.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 175, 0) }
```

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

```
.background{ background-color: rgb(242,  
175, 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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