

Converting Colors

XYZ(50.7801, 46.8668, 11.6007)

Have a look what the booklet for
XYZ(50.7801, 46.8668, 11.6007)
contains.

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Color

**XYZ(50.9212, 46.9239,
11.5276)**

Conversions

Conversions Part 1

Format	Color
Hex	F0A842
RGB	240, 168, 66
RGB Percent	94%, 66%, 26%
CMY	0.0588, 0.3412, 0.7412
CMYK	0.00, 0.30, 0.72, 0.06
HSL	35°, 85%, 60%
HSV	35°, 72%, 94%
XYZ	50.9212, 46.9239, 11.5276
YIQ	177.9000, 75.6540, -16.4580

Conversions

Conversions Part 2

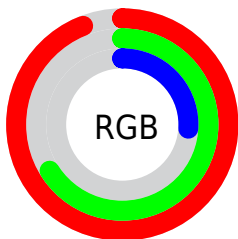
Format	Color
RYB	189, 240, 66
Decimal	15771714
CIELab	74.14, 17.55, 60.80
CIELCh	74, 63.284, 73.898
Yxy	46.9239, 0.4656, 0.4290
Android (android.graphics.Color)	4293961794 (0xFFFF0A842)
YUV	177.9000, -55.1667, 54.4617
Hunter-Lab	68.5010, 12.8137, 37.9732

Details

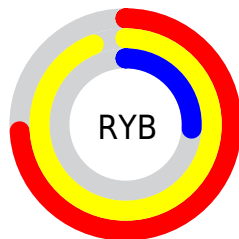
The XYZ color **50.9212, 46.9239, 11.5276** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **27.0629, 25.6253, 85.9574**, and the grayscale version is **42.5198, 44.7341, 48.7155**.

A 20% lighter version of the original color is **70.9574, 75.3673, 28.2602**, and **24.8358, 22.0745, 2.9518** is the 20% darker color. If you saturate the color by 10%, you get **48.5928, 43.1722, 7.9627**, and if you desaturate by 10%, it is **53.6884, 51.0791, 16.7031**.

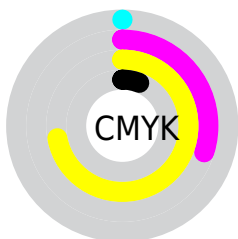
Distribution



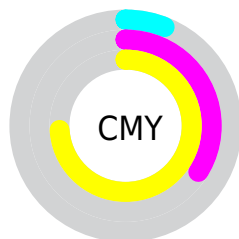
- Red (94%)
- Green (66%)
- Blue (26%)



- Red (74%)
- Yellow (94%)
- Blue (26%)



- Cyan (0%)
- Magenta (30%)
- Yellow (72%)
- Black (6%)



- Cyan (6%)
- Magenta (34%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9212, 46.9239, 11.5276 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 50.9212, 46.9239, 11.5276 by changing the saturation by 10% instead.

50.9212, 46.9239,
11.5276

50.9212, 46.9239,
11.5276

380.6503,
374.5107, 212.1180

36.3667, 32.9755,
6.3043

90.7220, 85.6000,
29.2832

24.8889, 22.1077,
2.9592

116.6989,
111.0965, 42.6525

16.1226, 13.9360,
1.0738

147.2141,
141.2112, 59.5742

9.7024, 8.0762,
0.0000

182.6328,
176.3284, 80.4669

5.2628, 4.1437,
0.0000

223.3204,
216.8326, 105.7491

2.4386, 1.7543,
0.0000

269.6423,

0.8644, 0.4584,

263.1081, 135.8393

0.0000

321.9638,
315.5393, 171.1561

■ 0.0000, 0.0000,
0.0000

■ 50.9212, 46.9239,
11.5276

■ 50.9212, 46.9239,
11.5276

■ 48.5928, 43.1722,
7.9627

■ 53.6884, 51.0791,
16.7031

■ 46.6570, 39.7946,
5.7944


■ 56.9272, 55.6498,
23.6615


■ 45.4153, 37.4858,
4.8418


■ 60.6704, 60.6558,
32.5559


■ 64.9463, 66.1128,
43.5217

■ 69.7809, 72.0359,
56.6823

 75.1983, 78.4387,
72.1512

 81.2210, 85.3346,
90.0342

 87.3830, 92.5412,
107.8644

 89.7450, 97.2651,
108.6517

Harmonies

Analogous

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



62.2184, 46.9239, 18.8849



50.9212, 46.9239, 11.5276



39.5674, 46.9239, 11.2988

Triad

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



50.9212, 46.9239, 11.5276



26.6134, 46.9239, 67.5972



61.4811, 46.9239, 110.5521

Complementary

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



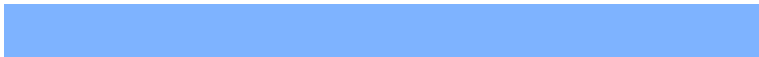
50.9212, 46.9239, 11.5276



27.0629, 25.6253, 85.9574

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.



50.0417, 46.9239, 138.7815



50.9212, 46.9239, 11.5276



30.6673, 46.9239, 107.7360

Square

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



50.9212, 46.9239, 11.5276



26.7675, 46.9239, 35.6631



38.8244, 46.9239, 137.5752



68.9851, 46.9239, 70.4311

Rectangle

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



50.9212, 46.9239, 11.5276



33.5162, 46.9239, 14.8238



38.8244, 46.9239, 137.5752



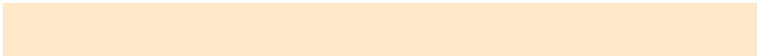
57.8914, 46.9239, 122.3790

Sweetspot

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



50.9223, 46.9263, 11.5285



80.3342, 82.9729, 65.7533



42.5072, 24.2715, 26.6800



16.8561, 17.3509, 13.1328



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.



50.9223, 46.9263, 11.5285



54.6507, 47.6388, 7.7647



63.3507, 78.8011, 17.0259



16.5429, 17.2988, 16.6168



24.9955, 20.7890, 2.6953



2.1772, 1.9251, 0.2568

Inverse Universe

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



27.0629, 25.6253, 85.9574



26.0084, 22.1985, 97.5217



21.0273, 11.9154, 83.6292



15.4345, 16.3031, 20.0549



11.1920, 8.6082, 46.1995



1.0269, 0.9077, 3.8753

Previews

White Background



This preview shows how the XYZ color 50.9212, 46.9239, 11.5276 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 50.9212, 46.9239, 11.5276 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 50.9212, 46.9239, 11.5276

Background



This preview shows how black text looks on a background with the XYZ color 50.9212, 46.9239, 11.5276.



This preview shows how white text looks on a background with the XYZ color 50.9212, 46.9239,

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

50.9212, 46.9239, 11.5276

Protanopia

42.9408, 47.1465, 12.6313

Deuteranopia

48.0564, 47.1362, 11.4158



Tritanopia

57.7461, 47.0924, 43.5823

Trichromacy



Original Color

50.9212, 46.9239, 11.5276

Protanomaly

45.6098, 47.0222, 12.3025

Deuteranomaly

48.9854, 47.0425, 11.4993

Tritanomaly

54.3934, 46.7397, 27.9846

Monochromacy



Original Color

50.9212, 46.9239, 11.5276

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.7388, 44.4958, 29.9502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9212, 46.9239, 11.5276 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(240, 168, 66)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 66)  
}
```

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(240, 168, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 66) }
```

Border

The CSS property to change the border of an element to XYZ 50.9212, 46.9239, 11.5276 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(240, 168, 66) }
```


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

```
.border{ border-color:rgb(240, 168, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 168, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 66);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9212, 46.9239, 11.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 66) }
```

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

```
.background{ background-color: rgb(240,  
168, 66) }
```

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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