

Converting Colors

XYZ(52.3845, 49.6502, 8.6678)

Have a look what the booklet for
XYZ(52.3845, 49.6502, 8.6678)
contains.

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Color

**XYZ(52.2978, 49.6771,
8.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	F2AF26
RGB	242, 175, 38
RGB Percent	95%, 69%, 15%
CMY	0.0510, 0.3137, 0.8510
CMYK	0.00, 0.28, 0.84, 0.05
HSL	40°, 89%, 55%
HSV	40°, 84%, 95%
XYZ	52.2978, 49.6771, 8.6660
YIQ	179.4150, 83.9090, -28.4030

Conversions

Conversions Part 2

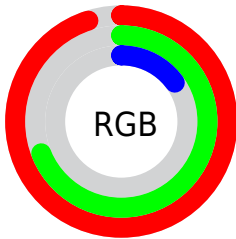
Format	Color
R _Y B	138, 242, 38
Decimal	15904550
CIE Lab	75.87, 13.72, 72.37
CIE LCh	76, 73.658, 79.262
Yxy	49.6771, 0.4727, 0.4490
Android (android.graphics.Color)	4294094630 (0xFF F2AF 26)
YUV	179.4150, -69.7176, 54.8870
Hunter-Lab	70.4820, 9.1040, 42.0475

Details

The XYZ color **52.2978, 49.6771, 8.6660** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **21.8780, 16.9260, 86.1178**, and the grayscale version is **43.4003, 45.6605, 49.7243**.

A 20% lighter version of the original color is **71.6945, 78.7167, 22.7244**, and **26.1390, 23.9897, 3.2528** is the 20% darker color. If you saturate the color by 10%, you get **50.5252, 46.5674, 6.7341**, and if you desaturate by 10%, it is **54.4169, 53.0752, 11.9636**.

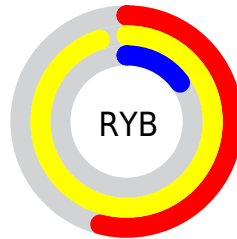
Distribution



Red (95%)

Green (69%)

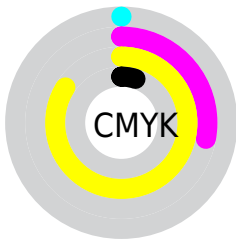
Blue (15%)



Red (54%)

Yellow (95%)

Blue (15%)

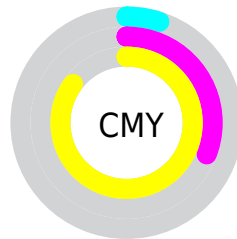


Cyan (0%)

Magenta (28%)

Yellow (84%)

Black (5%)



Cyan (5%)


Magenta (31%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2978, 49.6771, 8.6660 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 52.2978, 49.6771, 8.6660 by changing the saturation by 10% instead.


 52.2978, 49.6771,
8.6660

 52.2978, 49.6771,
8.6660


385.8903,
385.4019, 190.9918

 37.4677, 35.1569,
4.4301


 92.7419, 89.6963,
23.8215

 25.7452, 23.7838,
1.8642


 119.0867,
115.9640, 35.5781

 16.7648, 15.1733,
0.4698


 150.0004,
146.9164, 50.6789

 10.1612, 8.9411,
0.0000

 185.8483,
182.9379, 69.5421

 5.5690, 4.7028,
0.0000

 226.9960,
224.4127, 92.5865

 2.6230, 2.0740,
0.0000

 273.8086,

 0.9577, 0.6499,

271.7254, 120.2306

0.0000

326.6516,
325.2603, 152.8928

■ 0.0000, 0.0000,
0.0000

■ 52.2978, 49.6771,
8.6660

■ 52.2978, 49.6771,
8.6660

■ 50.5252, 46.5674,
6.7341

■ 54.4169, 53.0752,
11.9636

■ 49.6307, 44.9031,
6.0513

■ 56.9232, 56.7742,
16.8485

■ 59.8540, 60.7935,
23.5052

■ 63.2408, 65.1479,
32.0919

■ 67.1115, 69.8510,
42.7491

71.4917, 74.9151,
55.6044

76.4048, 80.3518,
70.7746

81.8727, 86.1719,
88.3685

87.7860, 92.3337,
107.8031

Harmonies

Analogous

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



66.5829, 49.6771, 14.6944



52.2978, 49.6771, 8.6660



39.0472, 49.6771, 9.5508

Triad

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



52.2978, 49.6771, 8.6660



26.4556, 49.6771, 82.9965



70.1262, 49.6771, 119.7899

Complementary

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



52.2978, 49.6771, 8.6660



21.8780, 16.9260, 86.1178

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.



56.4526, 49.6771, 161.1704



52.2978, 49.6771, 8.6660



32.0247, 49.6771, 133.7757

Square

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



52.2978, 49.6771, 8.6660



25.7727, 49.6771, 41.2135



42.4757, 49.6771, 167.2561



78.1219, 49.6771, 69.4025

Rectangle

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



52.2978, 49.6771, 8.6660



32.4278, 49.6771, 14.1764



42.4757, 49.6771, 167.2561



65.9311, 49.6771, 136.0741

Sweetspot

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



52.2989, 49.6796, 8.6669



80.1126, 83.9147, 61.4094



39.9128, 21.3045, 15.6453



16.7645, 17.5234, 12.0051



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.



52.2989, 49.6796, 8.6669



55.8513, 50.4826, 6.8004



58.1145, 77.0538, 13.6442



16.6600, 17.5332, 16.6559



26.7922, 24.3826, 3.2942



2.3193, 2.2093, 0.3042

Inverse Universe

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



21.8780, 16.9260, 86.1178



21.2005, 13.5210, 96.1002



19.3931, 9.1753, 84.7527



15.3212, 16.0766, 20.0172



10.2412, 6.7067, 45.8826



0.9395, 0.7330, 3.8462

Previews

White Background



This preview shows how the XYZ color 52.2978, 49.6771, 8.6660 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 52.2978, 49.6771, 8.6660 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 52.2978, 49.6771, 8.6660

Background



This preview shows how black text looks on a background with the XYZ color 52.2978, 49.6771, 8.6660.



This preview shows how white text looks on a background with the XYZ color 52.2978, 49.6771,

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

52.2978, 49.6771, 8.6660

Protanopia

45.2474, 49.9754, 9.3592

Deuteranopia

50.8309, 49.8010, 8.6025



Tritanopia

60.2594, 49.6135, 46.9578

Trichromacy



Original Color

52.2978, 49.6771, 8.6660

Protanomaly

47.4407, 49.5498, 9.0712

Deuteranomaly

51.3160, 49.7550, 8.6493

Tritanomaly

55.8782, 48.8923, 25.8941

Monochromacy



Original Color

52.2978, 49.6771, 8.6660

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.1738, 45.9559, 26.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2978, 49.6771, 8.6660 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(242, 175, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 175, 38) }
```

Border

The CSS property to change the border of an element to XYZ 52.2978, 49.6771, 8.6660 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, 38) }
```


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

```
.border{ border-color:rgb(242, 175, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 175, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 175, 38);  
box-shadow:4px 4px 4px 4px rgb(242, 175,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2978, 49.6771, 8.6660 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, 38) }
```

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

```
.background{ background-color: rgb(242,  
175, 38) }
```

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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