

Converting Colors

XYZ(46.7880, 46.7204, 10.5549)

Have a look what the booklet for
XYZ(46.7880, 46.7204, 10.5549)
contains.

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Color

**XYZ(46.8342, 46.8127,
10.5703)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AF3A
RGB	224, 175, 58
RGB Percent	88%, 69%, 23%
CMY	0.1216, 0.3137, 0.7725
CMYK	0.00, 0.22, 0.74, 0.12
HSL	42°, 73%, 55%
HSV	42°, 74%, 88%
XYZ	46.8342, 46.8127, 10.5703
YIQ	176.3130, 66.7610, -25.9990

Conversions

Conversions Part 2

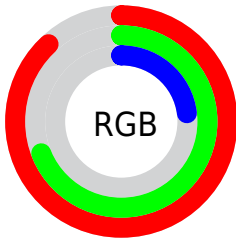
Format	Color
R_{YB}	128, 224, 58
Decimal	14724922
CIE _{Lab}	74.07, 6.69, 63.37
CIE _{LCh}	74, 63.726, 83.974
Yxy	46.8127, 0.4494, 0.4492
Android (android.graphics.Color)	4292915002 (0xFFE0AF3A)
YUV	176.3130, -58.3283, 41.8215
Hunter-Lab	68.4198, 2.4508, 38.7340

Details

The XYZ color **46.8342, 46.8127, 10.5703** 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 **20.4571, 16.7963, 72.6845**, and the grayscale version is **41.7022, 43.8740, 47.7787**.

A 20% lighter version of the original color is **72.4614, 79.0235, 26.7632**, and **22.3928, 22.0584, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **45.1283, 44.1234, 7.7757**, and if you desaturate by 10%, it is **48.8529, 49.7317, 14.6922**.

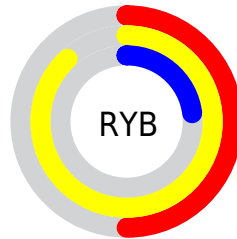
Distribution



Red (88%)

Green (69%)

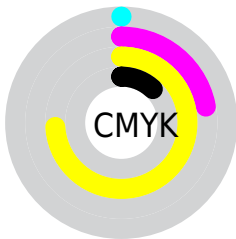
Blue (23%)



Red (50%)

Yellow (88%)

Blue (23%)

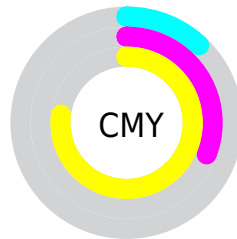


Cyan (0%)

Magenta (22%)

Yellow (74%)

Black (12%)



Cyan (12%)


Magenta (31%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8342, 46.8127, 10.5703 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 46.8342, 46.8127, 10.5703 by changing the saturation by 10% instead.


 46.8342, 46.8127,
10.5703


 46.8342, 46.8127,
10.5703


364.8123,
374.0664, 205.3258


 33.1120, 32.8876,
5.6682


 84.6863, 85.4340,
27.4872

 22.3719, 22.0404,
2.5789


 109.5470,
110.8990, 40.3390


 14.2486, 13.8866,
0.8815


 138.8511,
140.9793, 56.6779

 8.3766, 8.0418,
0.0000

 172.9642,
176.0596, 76.9222

 4.3907, 4.1217,
0.0000

 212.2515,
216.5240, 101.4907

 1.9254, 1.7419,
0.0000

257.0784,

 0.5916, 0.4506,

262.7570, 130.8017

0.0000

307.8102,
315.1430, 165.2739

■ 0.0000, 0.0000,
0.0000

■ 46.8342, 46.8127,
10.5703

■ 46.8342, 46.8127,
10.5703

■ 45.1283, 44.1234,
7.7757

■ 48.8529, 49.7317,
14.6922

■ 43.6965, 41.6412,
6.1222

■ 51.2108, 52.8868,
20.2894

■ 42.9478, 40.2621,
5.5078

■ 53.9343, 56.2916,
27.4931

■ 57.0463, 59.9568,
36.4189

■ 60.5675, 63.8919,
47.1721

■ 64.5170, 68.1059,
59.8493

■ 68.9127, 72.6071,
74.5402

■ 73.7711, 77.4035,
91.3289

■ 78.3580, 82.2025,
106.3445

Harmonies

Analogous

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



58.6649, 46.8127, 15.2017



46.8342, 46.8127, 10.5703



36.1721, 46.8127, 12.4466

Triad

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



46.8342, 46.8127, 10.5703



27.3265, 46.8127, 80.9546



64.6703, 46.8127, 97.5018

Complementary

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



46.8342, 46.8127, 10.5703



20.4571, 16.7963, 72.6845

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.



54.0035, 46.8127, 132.4929



46.8342, 46.8127, 10.5703



32.8115, 46.8127, 120.4248

Square

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



46.8342, 46.8127, 10.5703



26.0681, 46.8127, 44.6630



42.2332, 46.8127, 142.3038



70.0336, 46.8127, 57.8468

Rectangle

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



46.8342, 46.8127, 10.5703



30.9491, 46.8127, 17.8362



42.2332, 46.8127, 142.3038



61.5066, 46.8127, 110.7781

Sweetspot

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



46.8353, 46.8150, 10.5712



82.2406, 86.7857, 66.3887



34.9499, 19.9522, 16.1414



17.3082, 18.2550, 13.2835



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.



46.8353, 46.8150, 10.5712



59.4368, 57.3172, 9.0324



48.8550, 64.6671, 13.9106



14.5123, 15.3106, 14.4971



25.1031, 23.6442, 3.2407



1.8166, 1.7920, 0.2502

Inverse Universe

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



20.4571, 16.7963, 72.6845



22.6256, 15.6582, 96.4376



19.3022, 10.6428, 71.5576



13.2801, 13.8993, 17.3706



9.0565, 5.5825, 41.6486



0.7039, 0.5393, 2.9122

Previews

White Background



This preview shows how the XYZ color 46.8342, 46.8127, 10.5703 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 46.8342, 46.8127, 10.5703 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 46.8342, 46.8127, 10.5703

Background



This preview shows how black text looks on a background with the XYZ color 46.8342, 46.8127, 10.5703.



This preview shows how white text looks on a background with the XYZ color 46.8342, 46.8127,

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

46.8342, 46.8127, 10.5703

Protanopia

42.6509, 47.0306, 11.1048

Deuteranopia

47.7279, 46.6969, 10.6355



Tritanopia

54.3906, 46.8413, 47.2489

Trichromacy



Original Color

46.8342, 46.8127, 10.5703

Protanomaly

43.9746, 46.8072, 10.8546

Deuteranomaly

47.6040, 46.9188, 10.6849

Tritanomaly

50.5494, 46.3567, 28.4738

Monochromacy



Original Color

46.8342, 46.8127, 10.5703

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.7513, 44.0816, 28.4984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8342, 46.8127, 10.5703 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(224, 175, 58)` looks like.

```
.text, #text, p{  
    color:rgb(224, 175, 58)  
}
```

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(224, 175, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 175, 58) }
```

Border

The CSS property to change the border of an element to XYZ 46.8342, 46.8127, 10.5703 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(224, 175, 58) }
```


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

```
.border{ border-color:rgb(224, 175, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 175, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 175, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 175, 58);  
box-shadow:4px 4px 4px 4px rgb(224, 175,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8342, 46.8127, 10.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 175, 58) }
```

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

```
.background{ background-color: rgb(224,  
175, 58) }
```

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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