

Converting Colors

XYZ(47.6370, 45.0509, 14.5677)

Have a look what the booklet for
XYZ(47.6370, 45.0509, 14.5677)
contains.

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Color

**XYZ(47.5978, 45.1393,
14.5916)**

Conversions

Conversions Part 1

Format	Color
Hex	E4A854
RGB	228, 168, 84
RGB Percent	89%, 66%, 33%
CMY	0.1059, 0.3412, 0.6706
CMYK	0.00, 0.26, 0.63, 0.11
HSL	35°, 73%, 61%
HSV	35°, 63%, 89%
XYZ	47.5978, 45.1393, 14.5916
YIQ	176.3640, 62.7240, -13.4040

Conversions

Conversions Part 2

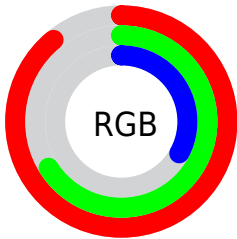
Format	Color
RYB	187, 228, 84
Decimal	14985300
CIELab	72.98, 13.51, 51.07
CIElCh	73, 52.828, 75.186
Yxy	45.1393, 0.4435, 0.4206
Android (android.graphics.Color)	4293175380 (0xFFE4A854)
YUV	176.3640, -45.5355, 45.2848
Hunter-Lab	67.1858, 8.8833, 34.1533

Details

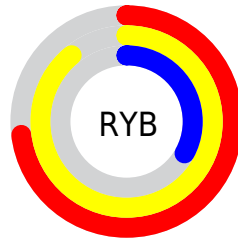
The XYZ color **47.5978, 45.1393, 14.5916** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.6326, 27.4317, 77.2370**, and the grayscale version is **41.6655, 43.8353, 47.7366**.

A 20% lighter version of the original color is **72.0716, 75.8129, 34.1273**, and **22.8683, 21.0301, 4.2204** is the 20% darker color. If you saturate the color by 10%, you get **45.1561, 41.4600, 10.0661**, and if you desaturate by 10%, it is **50.4604, 49.1955, 20.6916**.

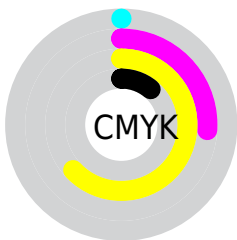
Distribution



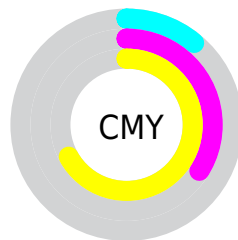
- Red (89%)
- Green (66%)
- Blue (33%)



- Red (73%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (63%)
- Black (11%)



- Cyan (11%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5978, 45.1393, 14.5916 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 47.5978, 45.1393, 14.5916 by changing the saturation by 10% instead.

47.5978, 45.1393,
14.5916

47.5978, 45.1393,
14.5916

367.8049,
367.3374, 232.4358

33.7184, 31.5672,
8.3898

85.8186, 82.9294,
34.8672

22.8392, 21.0311,
4.2541

110.8907,
107.9162, 49.7782

14.5949, 13.1467,
1.7657

140.4244,
137.4766, 68.4293

8.6200, 7.5297,
0.4052

174.7852,
171.9951, 91.2390

4.5493, 3.7955,
0.0000

214.3382,
211.8560, 118.6260

2.0173, 1.5598,
0.0000

259.4489,

0.6437, 0.3303,

257.4438, 151.0088

0.0000

310.4827,
309.1428, 188.8059

■ 0.0000, 0.0000,
0.0000

■ 47.5978, 45.1393,
14.5916

■ 47.5978, 45.1393,
14.5916

■ 45.1561, 41.4600,
10.0661

■ 50.4604, 49.1955,
20.6916

■ 43.0998, 38.1338,
6.9569

■ 53.7686, 53.6374,
28.4986

■ 41.3918, 35.1430,
5.0765

■ 57.5490, 58.4815,
38.1337

■ 40.3834, 33.2712,
4.2935

■ 61.8245, 63.7409,
49.7064

■ 66.6165, 69.4281,
63.3174

71.9451, 75.5548,
79.0602

77.8290, 82.1323,
97.0227

82.3953, 88.4149,
107.3308

85.3276, 94.2796,
108.3083

Harmonies

Analogous

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



56.6506, 45.1393, 21.2134



47.5978, 45.1393, 14.5916



38.4252, 45.1393, 14.6296

Triad

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



47.5978, 45.1393, 14.5916



27.9681, 45.1393, 63.6845



56.7486, 45.1393, 94.3204

Complementary

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



47.5978, 45.1393, 14.5916



27.6326, 27.4317, 77.2370

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.



47.7170, 45.1393, 116.2344



47.5978, 45.1393, 14.5916



31.5824, 45.1393, 94.6807

Square

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



47.5978, 45.1393, 14.5916



27.9457, 45.1393, 37.2769



38.5286, 45.1393, 116.3858



62.4257, 45.1393, 63.3069

Rectangle

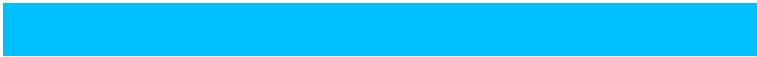
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.5978, 45.1393, 14.5916



33.4775, 45.1393, 18.2362



38.5286, 45.1393, 116.3858



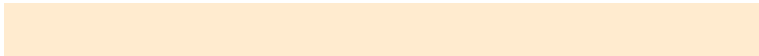
53.9512, 45.1393, 103.4170

Sweetspot

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



47.5989, 45.1415, 14.5925



82.1027, 85.0534, 70.8331



40.1994, 24.8486, 29.0636



17.2029, 17.7616, 14.1203



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.



47.5989, 45.1415, 14.5925



57.2734, 51.9706, 11.4559



57.6625, 70.7256, 19.0003



15.0720, 15.7579, 15.1517



23.4386, 19.4513, 2.5191



1.8233, 1.6198, 0.2166

Inverse Universe

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



27.6326, 27.4317, 77.2370



29.6513, 27.5475, 98.3622



21.9982, 14.4294, 75.0242



14.0737, 14.8688, 18.2725



10.5597, 8.1814, 43.4058



0.8703, 0.7845, 3.2375

Previews

White Background



This preview shows how the XYZ color 47.5978, 45.1393, 14.5916 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 47.5978, 45.1393, 14.5916 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 47.5978, 45.1393, 14.5916

Background



This preview shows how black text looks on a background with the XYZ color 47.5978, 45.1393, 14.5916.



This preview shows how white text looks on a background with the XYZ color 47.5978, 45.1393,

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

47.5978, 45.1393, 14.5916

Protanopia

41.6359, 45.4892, 15.8184

Deuteranopia

46.2484, 45.2799, 14.4860



Tritanopia

53.4142, 44.8484, 43.8716

Trichromacy



Original Color

47.5978, 45.1393, 14.5916

Protanomaly

43.8240, 45.4404, 15.4779

Deuteranomaly

46.6765, 45.2213, 14.4521

Tritanomaly

50.8592, 44.8605, 30.4045

Monochromacy



Original Color

47.5978, 45.1393, 14.5916

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.4072, 43.4724, 32.1425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5978, 45.1393, 14.5916 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(228, 168, 84)` looks like.

```
.text, #text, p{  
    color:rgb(228, 168, 84)  
}
```

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(228, 168, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 168, 84) }
```

Border

The CSS property to change the border of an element to XYZ 47.5978, 45.1393, 14.5916 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(228, 168, 84) }
```


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

```
.border{ border-color:rgb(228, 168, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 168, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 168, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 168, 84);  
box-shadow:4px 4px 4px 4px rgb(228, 168,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5978, 45.1393, 14.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 168, 84) }
```

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

```
.background{ background-color: rgb(228,  
168, 84) }
```

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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