

Converting Colors

XYZ(45.4985, 43.7268, 11.3956)

Have a look what the booklet for
XYZ(45.4985, 43.7268, 11.3956)
contains.

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Color

**XYZ(45.5723, 43.8900,
11.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	E0A743
RGB	224, 167, 67
RGB Percent	88%, 65%, 26%
CMY	0.1216, 0.3451, 0.7372
CMYK	0.00, 0.25, 0.70, 0.12
HSL	38°, 72%, 57%
HSV	38°, 70%, 88%
XYZ	45.5723, 43.8900, 11.3799
YIQ	172.6430, 66.0720, -19.0160

Conversions

Conversions Part 2

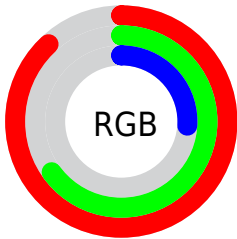
Format	Color
RYB	156, 224, 67
Decimal	14722883
CIELab	72.15, 11.36, 57.78
CIELCh	72, 58.890, 78.873
Yxy	43.8900, 0.4519, 0.4352
Android (android.graphics.Color)	4292912963 (0xFFE0A743)
YUV	172.6430, -52.0820, 45.0401
Hunter-Lab	66.2495, 6.8515, 36.1902

Details

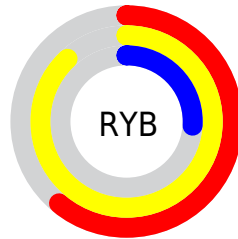
The XYZ color **45.5723, 43.8900, 11.3799** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.9766, 20.9895, 73.3609**, and the grayscale version is **39.7729, 41.8442, 45.5683**.

A 20% lighter version of the original color is **70.7514, 74.8586, 28.4895**, and **21.6697, 20.2696, 2.8852** is the 20% darker color. If you saturate the color by 10%, you get **43.5829, 40.7867, 8.0183**, and if you desaturate by 10%, it is **47.9172, 47.2889, 16.1423**.

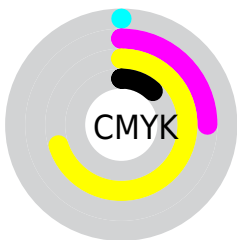
Distribution



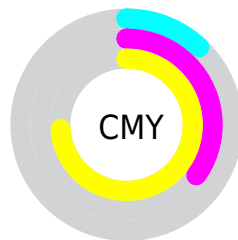
- Red (88%)
- Green (65%)
- Blue (26%)



- Red (61%)
- Yellow (88%)
- Blue (26%)



- Cyan (0%)
- Magenta (25%)
- Yellow (70%)
- Black (12%)



- Cyan (12%)
- Magenta (35%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5723, 43.8900, 11.3799 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 45.5723, 43.8900, 11.3799 by changing the saturation by 10% instead.

45.5723, 43.8900,
11.3799

45.5723, 43.8900,
11.3799

359.8313,
362.2592, 211.0858

32.1116, 30.5840,
6.2056

82.8103, 81.0522,
29.0079

21.6027, 20.2823,
2.8997

107.3184,
105.6772, 42.2986

13.6803, 12.6004,
1.0436

136.2397,
134.8441, 59.1319

7.9788, 7.1540,
0.0000

169.9395,
168.9371, 79.9263

4.1331, 3.5586,
0.0000

208.7832,
208.3407, 105.1004

1.7777, 1.4298,
0.0000

253.1362,

0.5042, 0.2386,

253.4394, 135.0726

0.0000

303.3638,
304.6174, 170.2616

■ 0.0000, 0.0000,
0.0000

■ 45.5723, 43.8900,
11.3799

■ 45.5723, 43.8900,
11.3799

■ 43.5829, 40.7867,
8.0183

■ 47.9172, 47.2889,
16.1423

■ 41.9123, 37.9564,
5.8867

■ 50.6431, 50.9909,
22.4448

■ 40.5151, 35.3969,
4.6969

■ 53.7759, 55.0109,
30.4124

■ 57.3384, 59.3605,
40.1565

■ 61.3514, 64.0503,
51.7787

■ 65.8340, 69.0906,
65.3730

■ 70.8043, 74.4908,
81.0271

■ 76.2793, 80.2602,
98.8233

■ 80.0067, 85.5000,
106.8941

Harmonies

Analogous

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



55.8180, 43.8900, 16.9706



45.5723, 43.8900, 11.3799



35.7514, 43.8900, 12.1425

Triad

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



45.5723, 43.8900, 11.3799



25.9230, 43.8900, 68.1030



58.0980, 43.8900, 94.4262

Complementary

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



45.5723, 43.8900, 11.3799



22.9766, 20.9895, 73.3609

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.



48.3099, 43.8900, 121.9760



45.5723, 43.8900, 11.3799



30.2152, 43.8900, 103.0301

Square

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



45.5723, 43.8900, 11.3799



25.4323, 43.8900, 37.8504



38.0839, 43.8900, 125.6393



63.7881, 43.8900, 59.3303

Rectangle

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



45.5723, 43.8900, 11.3799



30.6890, 43.8900, 16.2759



38.0839, 43.8900, 125.6393



55.1112, 43.8900, 105.3921

Sweetspot

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



45.5733, 43.8922, 11.3807



81.7046, 85.2362, 67.6822



36.4217, 21.3315, 21.4555



17.1583, 17.8625, 13.5195



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.



45.5733, 43.8922, 11.3807



57.4065, 52.9581, 9.2759



52.3154, 66.4220, 15.3741



14.4315, 15.1490, 14.4702



23.6958, 20.8295, 2.7716



1.7266, 1.6121, 0.2202

Inverse Universe

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



22.9766, 20.9895, 73.3609



25.5010, 20.7763, 97.2739



19.4802, 11.4680, 71.7073



13.3574, 14.0538, 17.3963



9.6578, 6.7852, 41.8490



0.7525, 0.6365, 2.9284

Previews

White Background



This preview shows how the XYZ color 45.5723, 43.8900, 11.3799 looks on a white background.

Color Contrast Check

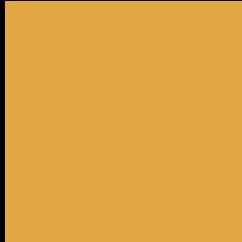
Large Text (above 18pt) WCAG AA × Fail

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 45.5723, 43.8900, 11.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

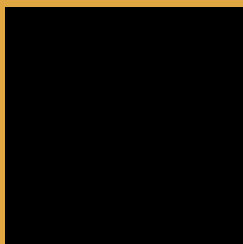
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5723, 43.8900, 11.3799

Background



This preview shows how black text looks on a background with the XYZ color 45.5723, 43.8900, 11.3799.



This preview shows how white text looks on a background with the XYZ color 45.5723, 43.8900,

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

45.5723, 43.8900, 11.3799

Protanopia

40.1163, 43.8922, 12.1520

Deuteranopia

44.8345, 43.7827, 11.3981



Tritanopia

52.1734, 43.9674, 43.2728

Trichromacy



Original Color

45.5723, 43.8900, 11.3799

Protanomaly

41.7499, 43.5822, 11.8420

Deuteranomaly

45.1400, 43.9401, 11.4123

Tritanomaly

48.9046, 43.6497, 27.6775

Monochromacy



Original Color

45.5723, 43.8900, 11.3799

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.6042, 42.0535, 28.5313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5723, 43.8900, 11.3799 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, 167, 67)` looks like.

```
.text, #text, p{  
    color:rgb(224, 167, 67)  
}
```

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, 167, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 167, 67) }
```

Border

The CSS property to change the border of an element to XYZ 45.5723, 43.8900, 11.3799 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, 167, 67) }
```


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

```
.border{ border-color:rgb(224, 167, 67) }
```

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

Here you see how a box with a 4 pixel rgb(224, 167, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 167, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 167, 67);  
box-shadow:4px 4px 4px 4px rgb(224, 167,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5723, 43.8900, 11.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 167, 67) }
```

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

```
.background{ background-color: rgb(224,  
167, 67) }
```

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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