

Converting Colors

XYZ(45.6478, 42.5843, 11.2967)

Have a look what the booklet for
XYZ(45.6478, 42.5843, 11.2967)
contains.

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Color

**XYZ(45.6423, 42.5889,
11.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A244
RGB	227, 162, 68
RGB Percent	89%, 64%, 27%
CMY	0.1098, 0.3647, 0.7333
CMYK	0.00, 0.29, 0.70, 0.11
HSL	35°, 74%, 58%
HSV	35°, 70%, 89%
XYZ	45.6423, 42.5889, 11.2837
YIQ	170.7190, 68.9140, -15.4540

Conversions

Conversions Part 2

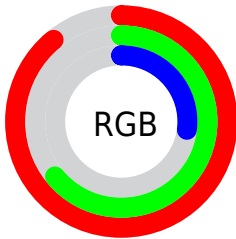
Format	Color
RYB	178, 227, 68
Decimal	14918212
CIELab	71.28, 15.36, 56.53
CIELCh	71, 58.581, 74.802
Yxy	42.5889, 0.4586, 0.4280
Android (android.graphics.Color)	4293108292 (0xFFE3A244)
YUV	170.7190, -50.6405, 49.3584
Hunter-Lab	65.2602, 10.6358, 35.4307

Details

The XYZ color **45.6423, 42.5889, 11.2837** 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 **24.6361, 23.5491, 75.9196**, and the grayscale version is **38.7905, 40.8106, 44.4427**.

A 20% lighter version of the original color is **69.5040, 72.2662, 28.3747**, and **21.5561, 19.3849, 2.8353** is the 20% darker color. If you saturate the color by 10%, you get **43.5045, 39.2158, 7.7898**, and if you desaturate by 10%, it is **48.1708, 46.3147, 16.2312**.

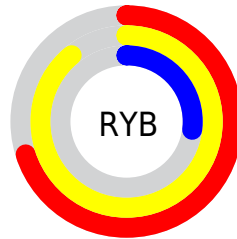
Distribution



Red (89%)

Green (64%)

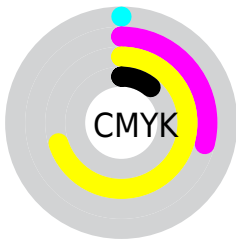
Blue (27%)



Red (70%)

Yellow (89%)

Blue (27%)

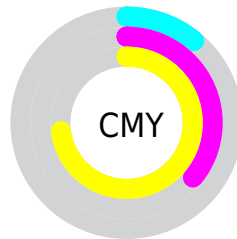


Cyan (0%)

Magenta (29%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (36%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6423, 42.5889, 11.2837 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 45.6423, 42.5889, 11.2837 by changing the saturation by 10% instead.


 45.6423, 42.5889,
11.2837


 45.6423, 42.5889,
11.2837


360.1088,
356.9184, 210.4105

 32.1671, 29.5627,
6.1414


 82.9146, 79.0901,
28.8282


 21.6453, 19.5069,
2.8611


 107.4423,
103.3339, 42.0676


 13.7117, 12.0371,
1.0241


 136.3849,
132.0857, 58.8430

 8.0007, 6.7690,
0.0000

 170.1078,
165.7299, 79.5730

 4.1472, 3.3180,
0.0000

 208.9763,
204.6509, 104.6763

 1.7858, 1.2999,
0.0000

253.3557,

 0.5091, 0.1412,

249.2330, 134.5713

0.0000

303.6114,
299.8607, 169.6765

■ 0.0000, 0.0000,
0.0000

■ 45.6423, 42.5889,
11.2837

■ 45.6423, 42.5889,
11.2837

■ 43.5045, 39.2158,
7.7898

■ 48.1708, 46.3147,
16.2312

■ 41.7189, 36.1708,
5.5727

■ 51.1172, 50.4030,
22.7765

■ 40.2323, 33.4387,
4.3338

■ 54.5092, 54.8704,
31.0489

■ 58.3709, 59.7304,
41.1638

■ 62.7245, 64.9955,
53.2263

■ 67.5905, 70.6775,
67.3339

■ 72.9881, 76.7877,
83.5771

■ 78.9357, 83.3366,
102.0411

■ 82.5377, 89.1695,
107.4690

Harmonies

Analogous

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



55.4349, 42.5889, 17.7205



45.6423, 42.5889, 11.2837



35.8379, 42.5889, 11.2459

Triad

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



45.6423, 42.5889, 11.2837



24.8107, 42.5889, 61.6301



55.3208, 42.5889, 96.3935

Complementary

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



45.6423, 42.5889, 11.2837



24.6361, 23.5491, 75.9196

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.



45.5055, 42.5889, 120.9153



45.6423, 42.5889, 11.2837



28.4893, 42.5889, 95.9624

Square

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



45.6423, 42.5889, 11.2837



24.8351, 42.5889, 33.5735



35.7214, 42.5889, 120.7316



61.6087, 42.5889, 62.0689

Rectangle

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



45.6423, 42.5889, 11.2837



30.6172, 42.5889, 14.6018



35.7214, 42.5889, 120.7316



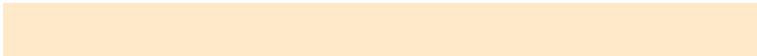
52.2603, 42.5889, 106.5754

Sweetspot

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



45.6433, 42.5910, 11.2845



81.0058, 83.8385, 67.4493



38.0663, 22.1936, 24.9238



16.9917, 17.5292, 13.4639



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.



45.6433, 42.5910, 11.2845



55.5364, 49.2180, 8.6525



56.1710, 69.6138, 15.9456



15.0817, 15.7774, 15.1549



23.5812, 19.7366, 2.5667



1.8334, 1.6401, 0.2199

Inverse Universe

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



24.6361, 23.5491, 75.9196



26.7226, 23.2194, 97.6811



19.3474, 11.4411, 73.8613



14.0642, 14.8498, 18.2694



10.4665, 7.9951, 43.3747



0.8629, 0.7698, 3.2351

Previews

White Background



This preview shows how the XYZ color 45.6423, 42.5889, 11.2837 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 45.6423, 42.5889, 11.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

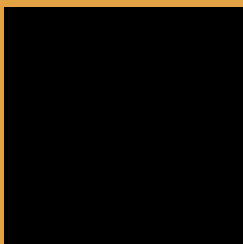
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6423, 42.5889, 11.2837

Background



This preview shows how black text looks on a background with the XYZ color 45.6423, 42.5889, 11.2837.



This preview shows how white text looks on a background with the XYZ color 45.6423, 42.5889,

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

45.6423, 42.5889, 11.2837

Protanopia

39.0053, 42.7299, 12.3228

Deuteranopia

43.5628, 42.5831, 11.2335



Tritanopia

51.5333, 42.4604, 40.6015

Trichromacy



Original Color

45.6423, 42.5889, 11.2837

Protanomaly

41.2442, 42.4698, 11.9849

Deuteranomaly

44.2870, 42.6877, 11.2156

Tritanomaly

48.8059, 42.3508, 26.3711

Monochromacy



Original Color

45.6423, 42.5889, 11.2837

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.7916, 40.8029, 28.3328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6423, 42.5889, 11.2837 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(227, 162, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 162, 68)  
}
```

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(227, 162, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 162, 68) }
```

Border

The CSS property to change the border of an element to XYZ 45.6423, 42.5889, 11.2837 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(227, 162, 68) }
```


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

```
.border{ border-color:rgb(227, 162, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 162, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 162, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 162, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 162,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6423, 42.5889, 11.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 162, 68) }
```

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

```
.background{ background-color: rgb(227,  
162, 68) }
```

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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