

Converting Colors

XYZ(45.8390, 42.9184, 8.2346)

Have a look what the booklet for
XYZ(45.8390, 42.9184, 8.2346)
contains.

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Color

**XYZ(45.8649, 43.0342,
8.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A32C
RGB	229, 163, 44
RGB Percent	90%, 64%, 17%
CMY	0.1020, 0.3608, 0.8274
CMYK	0.00, 0.29, 0.81, 0.10
HSL	39°, 78%, 54%
HSV	39°, 81%, 90%
XYZ	45.8649, 43.0342, 8.2720
YIQ	169.1680, 77.5350, -23.0170

Conversions

Conversions Part 2

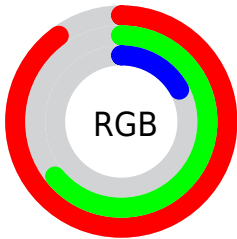
Format	Color
RYB	147, 229, 44
Decimal	15049516
CIELab	71.58, 14.69, 66.29
CIELCh	72, 67.898, 77.508
Yxy	43.0342, 0.4720, 0.4429
Android (android.graphics.Color)	4293239596 (0xFFE5A32C)
YUV	169.1680, -61.7078, 52.4727
Hunter-Lab	65.6005, 9.9984, 38.4440

Details

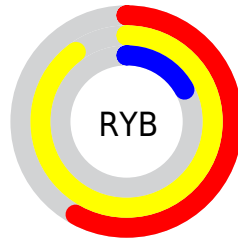
The XYZ color **45.8649, 43.0342, 8.2720** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **20.7574, 17.3441, 76.3819**, and the grayscale version is **38.0656, 40.0480, 43.6123**.

A 20% lighter version of the original color is **68.6117, 72.3229, 22.4001**, and **21.9426, 19.9132, 2.6871** is the 20% darker color. If you saturate the color by 10%, you get **44.1434, 40.1009, 6.1282**, and if you desaturate by 10%, it is **47.9192, 46.2541, 11.6976**.

Distribution



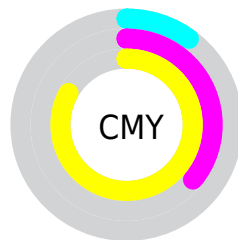
- Red (90%)
- Green (64%)
- Blue (17%)



- Red (58%)
- Yellow (90%)
- Blue (17%)



- Cyan (0%)
- Magenta (29%)
- Yellow (81%)
- Black (10%)





- Cyan (10%)
- Magenta (36%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8649, 43.0342, 8.2720 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 45.8649, 43.0342, 8.2720 by changing the saturation by 10% instead.


 45.8649, 43.0342,
8.2720


 45.8649, 43.0342,
8.2720


360.9903,
358.7524, 187.8637

 32.3434, 29.9120,
4.1792


 83.2459, 79.7625,
23.0449

 21.7807, 19.7718,
1.7242


 107.8361,
104.1373, 34.5621

 13.8116, 12.2292,
0.3772


 136.8465,
133.0317, 49.3911

 8.0706, 6.9000,
0.0000

 170.6426,
166.8302, 67.9506

 4.1923, 3.3996,
0.0000

 209.5897,
205.9171, 90.6591

 1.8115, 1.3438,
0.0000

 254.0531,

 0.5246, 0.1747,

250.6769, 117.9351

0.0000

304.3981,
301.4938, 150.1971

0.0000, 0.0000,
0.0000

45.8649, 43.0342,
8.2720

45.8649, 43.0342,
8.2720

44.1434, 40.1009,
6.1282

47.9192, 46.2541,
11.6976

42.7946, 37.6213,
5.0061

50.3392, 49.7712,
16.5830

53.1564, 53.6024,
23.0804

56.3971, 57.7610,
31.3221

60.0856, 62.2592,
41.4263

■ 64.2436, 67.1081,
53.5011

■ 68.8916, 72.3183,
67.6462

■ 74.0485, 77.8998,
83.9544

■ 79.7323, 83.8620,
102.5129

Harmonies

Analogous

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



57.6962, 43.0342, 13.9938



45.8649, 43.0342, 8.2720



34.6156, 43.0342, 8.7308

Triad

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



45.8649, 43.0342, 8.2720



23.2582, 43.0342, 68.5615



59.4313, 43.0342, 103.8368

Complementary

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



45.8649, 43.0342, 8.2720



20.7574, 17.3441, 76.3819

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.



47.9084, 43.0342, 136.6852



45.8649, 43.0342, 8.2720



27.7320, 43.0342, 110.6288

Square

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



45.8649, 43.0342, 8.2720



22.9167, 43.0342, 34.4712



36.3120, 43.0342, 139.6293



66.4570, 43.0342, 61.9024

Rectangle

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



45.8649, 43.0342, 8.2720



28.8822, 43.0342, 12.4739



36.3120, 43.0342, 139.6293



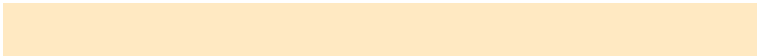
55.8667, 43.0342, 117.0124

Sweetspot

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



45.8659, 43.0364, 8.2728



80.1417, 83.5191, 62.8181



36.1292, 19.6258, 17.1654



16.7473, 17.4023, 12.2667



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.



45.8659, 43.0364, 8.2728



55.0572, 48.8274, 6.7425



53.4671, 69.1046, 12.9039



15.1464, 15.9068, 15.1765



24.5857, 21.7455, 2.9015



1.9037, 1.7808, 0.2434

Inverse Universe

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



20.7574, 17.3441, 76.3819



22.3183, 15.6145, 96.4453



17.4746, 8.7120, 74.8888



14.0015, 14.7243, 18.2485



9.9014, 6.8649, 43.1864



0.8170, 0.6779, 3.2198

Previews

White Background



This preview shows how the XYZ color 45.8649, 43.0342, 8.2720 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 45.8649, 43.0342, 8.2720 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 45.8649, 43.0342, 8.2720

Background



This preview shows how black text looks on a background with the XYZ color 45.8649, 43.0342, 8.2720.



This preview shows how white text looks on a background with the XYZ color 45.8649, 43.0342,

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

45.8649, 43.0342, 8.2720

Protanopia

39.0644, 43.1262, 8.9546

Deuteranopia

44.0554, 43.1768, 8.2025



Tritanopia

52.5211, 42.9697, 40.6478

Trichromacy



Original Color

45.8649, 43.0342, 8.2720

Protanomaly

41.3505, 42.8784, 8.6817

Deuteranomaly

44.8127, 43.2941, 8.2802

Tritanomaly

48.8829, 42.4566, 23.3878

Monochromacy



Original Color

45.8649, 43.0342, 8.2720

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.9427, 40.1690, 24.7697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8649, 43.0342, 8.2720 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(229, 163, 44)` looks like.

```
.text, #text, p{  
    color:rgb(229, 163, 44)  
}
```

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(229, 163, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 163, 44) }
```

Border

The CSS property to change the border of an element to XYZ 45.8649, 43.0342, 8.2720 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(229, 163, 44) }
```


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

```
.border{ border-color:rgb(229, 163, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 163, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 163, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 163, 44);  
box-shadow:4px 4px 4px 4px rgb(229, 163,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8649, 43.0342, 8.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 163, 44) }
```

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

```
.background{ background-color: rgb(229,  
163, 44) }
```

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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