

Converting Colors

XYZ(44.4350, 41.9096, 8.3476)

Have a look what the booklet for
XYZ(44.4350, 41.9096, 8.3476)
contains.

XYZ(44.4648, 42.0455, 8.3568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.4648, 42.0455,
8.3568)**

Conversions

Conversions Part 1

Format	Color
Hex	E1A22E
RGB	225, 162, 46
RGB Percent	88%, 64%, 18%
CMY	0.1177, 0.3647, 0.8196
CMYK	0.00, 0.28, 0.80, 0.12
HSL	39°, 75%, 53%
HSV	39°, 80%, 88%
XYZ	44.4648, 42.0455, 8.3568
YIQ	167.6130, 74.7840, -22.7200

Conversions

Conversions Part 2

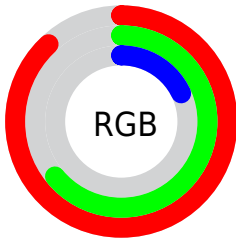
Format	Color
R_{YB}	143, 225, 46
Decimal	14787118
CIE _{Lab}	70.90, 13.57, 64.84
CIE _{LCh}	71, 66.242, 78.181
Yxy	42.0455, 0.4687, 0.4432
Android (android.graphics.Color)	4292977198 (0xFFE1A22E)
YUV	167.6130, -59.9552, 50.3284
Hunter-Lab	64.8425, 8.9294, 37.7485

Details

The XYZ color **44.4648, 42.0455, 8.3568** 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 **20.1857, 16.9538, 73.4421**, and the grayscale version is **37.2896, 39.2316, 42.7232**.

A 20% lighter version of the original color is **68.4018, 71.8253, 22.5704**, and **21.2015, 19.3682, 2.6210** is the 20% darker color. If you saturate the color by 10%, you get **42.7810, 39.2116, 6.1512**, and if you desaturate by 10%, it is **46.4705, 45.1522, 11.8158**.

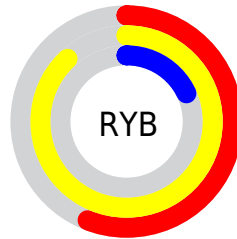
Distribution



Red (88%)

Green (64%)

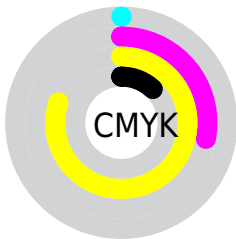
Blue (18%)



Red (56%)

Yellow (88%)

Blue (18%)

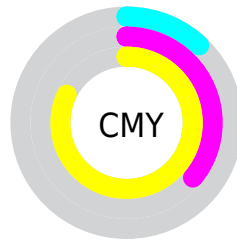


Cyan (0%)

Magenta (28%)

Yellow (80%)

Black (12%)



Cyan (12%)

Magenta (36%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4648, 42.0455, 8.3568 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 44.4648, 42.0455, 8.3568 by changing the saturation by 10% instead.

44.4648, 42.0455,
8.3568

44.4648, 42.0455,
8.3568

355.4219,
354.6715, 188.5423

31.2356, 29.1369,
4.2331

81.1587, 78.2685,
23.2126

20.9310, 19.1844,
1.7541

105.3541,
102.3517, 34.7818

13.1857, 11.8036,
0.3974

133.9356,
130.9285, 49.6698

7.6345, 6.6101,
0.0000

167.2685,
164.3834, 68.2953

3.9118, 3.2195,
0.0000

205.7183,
203.1008, 91.0767

1.6523, 1.2474,
0.0000

249.6502,

0.4262, 0.0999,

247.4650, 118.4327

0.0000

299.4296,
297.8604, 150.7817

■ 0.0000, 0.0000,
0.0000

■ 44.4648, 42.0455,
8.3568

■ 44.4648, 42.0455,
8.3568

■ 42.7810, 39.2116,
6.1512

■ 46.4705, 45.1522,
11.8158

■ 41.3617, 36.6198,
4.9172

■ 48.8287, 48.5411,
16.6943

■ 41.3017, 36.5086,
4.8700

■ 51.5688, 52.2283,
23.1350

■ 54.7158, 56.2262,
31.2629

■ 58.2924, 60.5460,
41.1898

■ 62.3192, 65.1983,
53.0180

■ 66.8157, 70.1932,
66.8421

■ 71.7997, 75.5399,
82.7504

■ 77.2882, 81.2473,
100.8258

Harmonies

Analogous

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



55.8323, 42.0455, 13.8011



44.4648, 42.0455, 8.3568



33.7061, 42.0455, 8.9306

Triad

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



44.4648, 42.0455, 8.3568



23.0147, 42.0455, 67.4594



57.9373, 42.0455, 99.3751

Complementary

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



44.4648, 42.0455, 8.3568



20.1857, 16.9538, 73.4421

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.



46.9499, 42.0455, 131.0925



44.4648, 42.0455, 8.3568



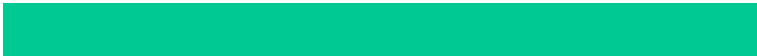
27.4276, 42.0455, 107.5787

Square

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



44.4648, 42.0455, 8.3568



22.5958, 42.0455, 34.4357



35.7758, 42.0455, 134.6407



64.5143, 42.0455, 59.3776

Rectangle

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



44.4648, 42.0455, 8.3568



28.2378, 42.0455, 12.7166



35.7758, 42.0455, 134.6407



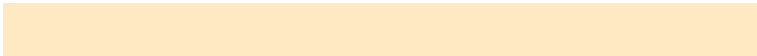
54.5534, 42.0455, 112.0186

Sweetspot

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



44.4658, 42.0476, 8.3576



80.2251, 83.6859, 62.8459



34.9326, 19.1235, 17.0731



16.7674, 17.4426, 12.2735



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.



44.4658, 42.0476, 8.3576



55.6382, 49.9428, 7.0798



51.5414, 66.4832, 12.7012



14.4447, 15.1753, 14.4746



23.9138, 21.2654, 2.8442



1.7407, 1.6403, 0.2249

Inverse Universe

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



20.1857, 16.9538, 73.4421



22.5804, 16.0398, 96.5136



17.0841, 8.6878, 72.0100



13.3447, 14.0285, 17.3921



9.5499, 6.5693, 41.8130



0.7441, 0.6196, 2.9256

Previews

White Background



This preview shows how the XYZ color 44.4648, 42.0455, 8.3568 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 44.4648, 42.0455, 8.3568 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 44.4648, 42.0455, 8.3568

Background



This preview shows how black text looks on a background with the XYZ color 44.4648, 42.0455, 8.3568.



This preview shows how white text looks on a background with the XYZ color 44.4648, 42.0455,

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

44.4648, 42.0455, 8.3568

Protanopia

38.1961, 42.0960, 9.0179

Deuteranopia

43.1422, 42.1598, 8.3464



Tritanopia

50.9562, 41.9334, 40.0586

Trichromacy



Original Color

44.4648, 42.0455, 8.3568

Protanomaly

40.3618, 42.0847, 8.7922

Deuteranomaly

43.5679, 42.1125, 8.3149

Tritanomaly

47.4246, 41.4568, 23.2717

Monochromacy



Original Color

44.4648, 42.0455, 8.3568

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.2606, 39.5465, 24.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4648, 42.0455, 8.3568 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(225, 162, 46)` looks like.

```
.text, #text, p{  
    color:rgb(225, 162, 46)  
}
```

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(225, 162, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 162, 46) }
```

Border

The CSS property to change the border of an element to XYZ 44.4648, 42.0455, 8.3568 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(225, 162, 46) }
```


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

```
.border{ border-color:rgb(225, 162, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 162, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 162, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 162, 46);  
box-shadow:4px 4px 4px 4px rgb(225, 162,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4648, 42.0455, 8.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 162, 46) }
```

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

```
.background{ background-color: rgb(225,  
162, 46) }
```

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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