

Converting Colors

XYZ(45.4542, 44.1729, 8.2284)

Have a look what the booklet for
XYZ(45.4542, 44.1729, 8.2284)
contains.

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Color

**XYZ(45.4542, 44.1729,
8.2284)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E1A829 |
| RGB | 225, 168, 41 |
| RGB Percent | 88%, 66%, 16% |
| CMY | 0.1177, 0.3412, 0.8392 |
| CMYK | 0.00, 0.25, 0.82, 0.12 |
| HSL | 41°, 75%, 52% |
| HSV | 41°, 82%, 88% |
| XYZ | 45.4542, 44.1729, 8.2284 |
| YIQ | 170.5650, 74.7390, -27.4130 |

Conversions

Conversions Part 2

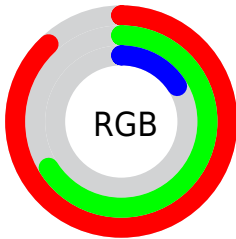
| Format | Color |
|-------------------------------------|---|
| RYB | 124, 225, 41 |
| Decimal | 14788649 |
| CIELab | 72.34, 10.21, 67.76 |
| CIElCh | 72, 68.525, 81.430 |
| Yxy | 44.1729, 0.4645, 0.4514 |
| Android (android.graphics.Color) | 4292978729 (0xFFE1A829) |
| YUV | 170.5650, -63.8755, 47.7395 |
| Hunter-Lab | 66.4627, 5.7674, 39.1835 |

Details

The XYZ color **45.4542, 44.1729, 8.2284** 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 **18.8727, 14.6429, 73.0652**, and the grayscale version is **38.7755, 40.7949, 44.4256**.

A 20% lighter version of the original color is **69.8323, 74.9172, 22.3352**, and **21.7624, 20.4901, 2.8080** is the 20% darker color. If you saturate the color by 10%, you get **43.9157, 41.5553, 6.3006**, and if you desaturate by 10%, it is **47.2877, 47.0224, 11.3610**.

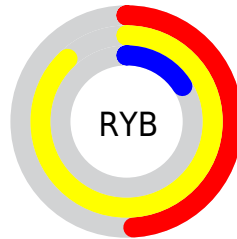
Distribution



Red (88%)

Green (66%)

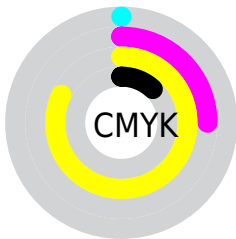
Blue (16%)



Red (49%)

Yellow (88%)

Blue (16%)

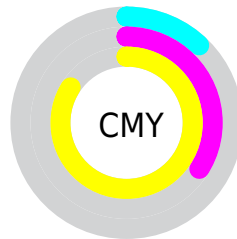


Cyan (0%)

Magenta (25%)

Yellow (82%)

Black (12%)



Cyan (12%)


Magenta (34%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4542, 44.1729, 8.2284 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 45.4542, 44.1729, 8.2284 by changing the saturation by 10% instead.


 45.4542, 44.1729,
8.2284


 45.4542, 44.1729,
8.2284


359.3628,
363.4134, 187.5136

 32.0181, 30.8065,
4.1516


 82.6344, 81.4779,
22.9585


 21.5310, 20.4515,
1.7089


 107.1093,
106.1852, 34.4489

 13.6273, 12.7237,
0.3668


 135.9945,
135.4415, 49.2475

 7.9419, 7.2385,
0.0000

 169.6554,
169.6314, 67.7730

 4.1093, 3.6117,
0.0000

 208.4573,
209.1391, 90.4438

 1.7641, 1.4588,
0.0000

 252.7656,

 0.4959, 0.2595,

254.3491, 117.6785

0.0000

302.9457,
305.6457, 149.8956

■ 0.0000, 0.0000,
0.0000

■ 45.4542, 44.1729,
8.2284

■ 45.4542, 44.1729,
8.2284

■ 43.9157, 41.5553,
6.3006

■ 47.2877, 47.0224,
11.3610

■ 42.8232, 39.5516,
5.3772

■ 49.4477, 50.1128,
15.8718

■ 51.9641, 53.4594,
21.9087

■ 54.8620, 57.0738,
29.5995

■ 58.1641, 60.9668,
39.0585

■ 61.8910, 65.1481,
50.3899

■ 66.0619, 69.6268,
63.6896

■ 70.6947, 74.4116,
79.0471

■ 75.8060, 79.5107,
96.5461

Harmonies

Analogous

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



57.7617, 44.1729, 13.1027



45.4542, 44.1729, 8.2284



34.2363, 44.1729, 9.4434

Triad

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



45.4542, 44.1729, 8.2284



24.2228, 44.1729, 75.9258



62.3167, 44.1729, 100.9829

Complementary

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



45.4542, 44.1729, 8.2284



18.8727, 14.6429, 73.0652

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.



50.8227, 44.1729, 137.3617



45.4542, 44.1729, 8.2284



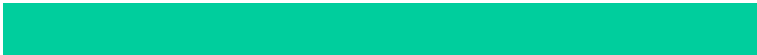
29.3795, 44.1729, 118.7946

Square

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



45.4542, 44.1729, 8.2284



23.3236, 44.1729, 39.0571



38.6970, 44.1729, 145.0763



68.6230, 44.1729, 58.4336

Rectangle

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



45.4542, 44.1729, 8.2284



28.7018, 44.1729, 13.9973



38.6970, 44.1729, 145.0763



58.8401, 44.1729, 115.0306

Sweetspot

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



45.4552, 44.1751, 8.2292



80.4524, 84.5943, 61.5226



34.1093, 18.4997, 13.6453



16.8461, 17.6867, 12.0323



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.



45.4552, 44.1751, 8.2292



57.1073, 52.9498, 7.3569



48.8784, 65.1212, 12.0918



14.4949, 15.2757, 14.4913



24.7852, 23.0083, 3.1347



1.7965, 1.7518, 0.2434

Inverse Universe

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



18.8727, 14.6429, 73.0652



21.1696, 13.3644, 96.0716



17.2648, 8.5078, 71.9658



13.2967, 13.9324, 17.3761



9.1742, 5.8179, 41.6878



0.7138, 0.5590, 2.9155

Previews

White Background



This preview shows how the XYZ color 45.4542, 44.1729, 8.2284 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 45.4542, 44.1729, 8.2284 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 45.4542, 44.1729, 8.2284

Background



This preview shows how black text looks on a background with the XYZ color 45.4542, 44.1729, 8.2284.



This preview shows how white text looks on a background with the XYZ color 45.4542, 44.1729,

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

45.4542, 44.1729, 8.2284

Protanopia

40.1944, 44.3020, 8.8155

Deuteranopia

45.3287, 44.3833, 8.2756



Tritanopia

52.8227, 44.3022, 43.3032

Trichromacy



Original Color

45.4542, 44.1729, 8.2284

Protanomaly

41.8666, 44.0018, 8.5721

Deuteranomaly

45.3287, 44.3833, 8.2756

Tritanomaly

48.8908, 43.7179, 24.2739

Monochromacy



Original Color

45.4542, 44.1729, 8.2284

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.4987, 41.2811, 24.9550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4542, 44.1729, 8.2284 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, 168, 41)` looks like.

```
.text, #text, p{  
    color:rgb(225, 168, 41)  
}
```

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, 168, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 168, 41) }
```

Border

The CSS property to change the border of an element to XYZ 45.4542, 44.1729, 8.2284 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, 168, 41) }
```


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

```
.border{ border-color:rgb(225, 168, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 168, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 168, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 168, 41);  
box-shadow:4px 4px 4px 4px rgb(225, 168,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4542, 44.1729, 8.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 168, 41) }
```

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

```
.background{ background-color: rgb(225,  
168, 41) }
```

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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