

Converting Colors

XYZ(46.6429, 45.5089, 13.3469)

Have a look what the booklet for
XYZ(46.6429, 45.5089, 13.3469)
contains.

XYZ(46.6429, 45.5089, 13.3469)	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(46.6429, 45.5089,
13.3469)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AB4D
RGB	224, 171, 77
RGB Percent	88%, 67%, 30%
CMY	0.1216, 0.3294, 0.6980
CMYK	0.00, 0.24, 0.66, 0.12
HSL	38°, 70%, 59%
HSV	38°, 66%, 88%
XYZ	46.6429, 45.5089, 13.3469
YIQ	176.1310, 61.7620, -17.9980

Conversions

Conversions Part 2

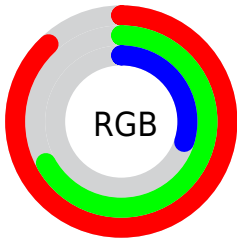
Format	Color
RYB	160, 224, 77
Decimal	14723917
CIELab	73.23, 9.79, 54.49
CIELCh	73, 55.360, 79.814
Yxy	45.5089, 0.4421, 0.4314
Android (android.graphics.Color)	4292913997 (0xFFE0AB4D)
YUV	176.1310, -48.8716, 41.9811
Hunter-Lab	67.4603, 5.3617, 35.4918

Details

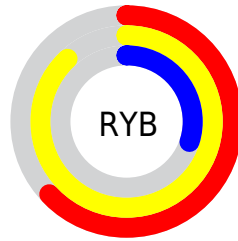
The XYZ color **46.6429, 45.5089, 13.3469** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.4973, 22.9239, 73.6542**, and the grayscale version is **41.5607, 43.7251, 47.6166**.

A 20% lighter version of the original color is **72.4656, 77.2644, 32.2133**, and **22.2685, 21.2548, 3.7395** is the 20% darker color. If you saturate the color by 10%, you get **44.5053, 42.2890, 9.3816**, and if you desaturate by 10%, it is **49.1481, 49.0286, 18.7786**.

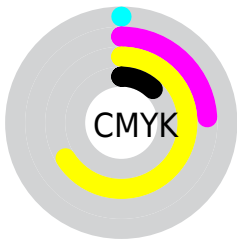
Distribution



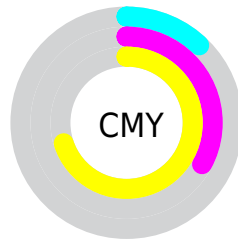
- Red (88%)
- Green (67%)
- Blue (30%)



- Red (63%)
- Yellow (88%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (66%)
- Black (12%)





- Cyan (12%)
- Magenta (33%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6429, 45.5089, 13.3469 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 46.6429, 45.5089, 13.3469 by changing the saturation by 10% instead.


 46.6429, 45.5089,
13.3469

 46.6429, 45.5089,
13.3469


364.0601,
368.8307, 224.4144

 32.9602, 31.8585,
7.5343


 84.4023, 83.4835,
32.6259

 22.2551, 21.2534,
3.7150


 109.2098,
108.5765, 46.9294


 14.1621, 13.3094,
1.4703


 138.4562,
138.2525, 64.9003

 8.3159, 7.6419,
0.1957

 172.5069,
172.8958, 86.9571

 4.3513, 3.8667,
0.0000

 211.7273,
212.8909, 113.5184

 1.9027, 1.5993,
0.0000

256.4827,

 0.5784, 0.3571,

258.6222, 145.0027

0.0000

307.1385,
310.4740, 181.8285

■ 0.0000, 0.0000,
0.0000

■ 46.6429, 45.5089,
13.3469

■ 46.6429, 45.5089,
13.3469

■ 44.5053, 42.2890,
9.3816

■ 49.1481, 49.0286,
18.7786

■ 42.7010, 39.3471,
6.7252

■ 52.0445, 52.8546,
25.8072

■ 41.1935, 36.6677,
5.1879

■ 55.3569, 57.0013,
34.5515

■ 40.5997, 35.5661,
4.7251

■ 59.1072, 61.4797,
45.1183

■ 63.3153, 66.3003,
57.6056

■ 67.9998, 71.4729,
72.1044

■ 73.1783, 77.0067,
88.6998

■ 78.6732, 82.8330,
106.4496

■ 81.0459, 87.5785,
107.2405

Harmonies

Analogous

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



56.4618, 45.5089, 18.8897



46.6429, 45.5089, 13.3469



37.2273, 45.5089, 14.3397

Triad

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



46.6429, 45.5089, 13.3469



27.9543, 45.5089, 69.9860



59.1511, 45.5089, 92.7057

Complementary

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



46.6429, 45.5089, 13.3469



24.4973, 22.9239, 73.6542

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.



49.9002, 45.5089, 118.8402



46.6429, 45.5089, 13.3469



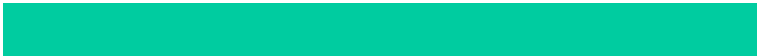
32.2868, 45.5089, 102.6830

Square

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



46.6429, 45.5089, 13.3469



27.3521, 45.5089, 40.6805



40.0350, 45.5089, 123.0525



64.3667, 45.5089, 59.6265

Rectangle

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



46.6429, 45.5089, 13.3469



32.3634, 45.5089, 18.7725



40.0350, 45.5089, 123.0525



56.3509, 45.5089, 103.0466

Sweetspot

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



46.6440, 45.5111, 13.3478



82.3117, 85.9648, 69.3813



37.4844, 22.7913, 23.8612



17.2796, 18.0108, 13.8505



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.



46.6440, 45.5111, 13.3478



58.7004, 55.1322, 10.9826



53.0067, 66.7408, 17.1102



14.4345, 15.1549, 14.4712



23.7448, 20.9274, 2.7879



1.7298, 1.6185, 0.2212

Inverse Universe

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



24.4973, 22.9239, 73.6542



27.0304, 22.9582, 97.6145



20.9960, 13.2095, 71.9636



13.3545, 14.0481, 17.3954



9.6330, 6.7356, 41.8407



0.7506, 0.6327, 2.9278

Previews

White Background



This preview shows how the XYZ color 46.6429, 45.5089, 13.3469 looks on a white background.

Color Contrast Check

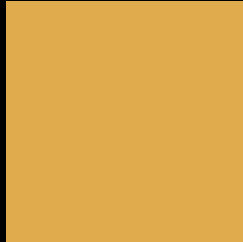
Large Text (above 18pt) WCAG AA × Fail

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 46.6429, 45.5089, 13.3469 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 46.6429, 45.5089, 13.3469

Background



This preview shows how black text looks on a background with the XYZ color 46.6429, 45.5089, 13.3469.



This preview shows how white text looks on a background with the XYZ color 46.6429, 45.5089,

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

46.6429, 45.5089, 13.3469

Protanopia

41.5886, 45.5011, 14.1800

Deuteranopia

46.3339, 45.3496, 13.3325



Tritanopia

53.2427, 45.4958, 45.5105

Trichromacy



Original Color

46.6429, 45.5089, 13.3469

Protanomaly

43.4279, 45.5641, 13.9030

Deuteranomaly

46.3339, 45.3496, 13.3325

Tritanomaly

50.0375, 45.2392, 30.1395

Monochromacy



Original Color

46.6429, 45.5089, 13.3469

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.8620, 43.5030, 31.0015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6429, 45.5089, 13.3469 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, 171, 77)` looks like.

```
.text, #text, p{  
    color:rgb(224, 171, 77)  
}
```

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, 171, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 171, 77) }
```

Border

The CSS property to change the border of an element to XYZ 46.6429, 45.5089, 13.3469 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, 171, 77) }
```


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

```
.border{ border-color:rgb(224, 171, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 171, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 171, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 171, 77);  
box-shadow:4px 4px 4px 4px rgb(224, 171,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6429, 45.5089, 13.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 171, 77) }
```

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

```
.background{ background-color: rgb(224,  
171, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor