

Converting Colors

XYZ(46.1007, 44.1370, 8.4490)

Have a look what the booklet for
XYZ(46.1007, 44.1370, 8.4490)
contains.

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Color

**XYZ(46.2682, 44.3133,
8.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	E4A72C
RGB	228, 167, 44
RGB Percent	89%, 65%, 17%
CMY	0.1059, 0.3451, 0.8274
CMYK	0.00, 0.27, 0.81, 0.11
HSL	40°, 77%, 53%
HSV	40°, 81%, 89%
XYZ	46.2682, 44.3133, 8.4976
YIQ	171.2170, 75.8390, -25.3210

Conversions

Conversions Part 2

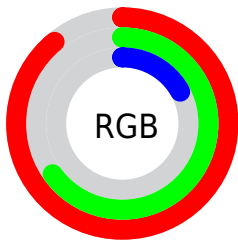
Format	Color
RYB	135, 228, 44
Decimal	14985004
CIELab	72.44, 12.13, 67.01
CIELCh	72, 68.098, 79.740
Yxy	44.3133, 0.4670, 0.4473
Android (android.graphics.Color)	4293175084 (0xFFE4A72C)
YUV	171.2170, -62.7180, 49.7987
Hunter-Lab	66.5682, 7.5719, 39.0292

Details

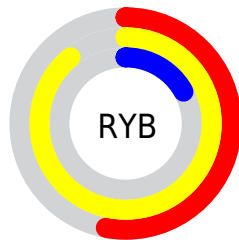
The XYZ color **46.2682, 44.3133, 8.4976** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **20.0937, 16.2396, 75.4735**, and the grayscale version is **39.0980, 41.1341, 44.7950**.

A 20% lighter version of the original color is **69.6615, 74.4227, 22.7500**, and **22.2792, 20.5863, 2.7993** is the 20% darker color. If you saturate the color by 10%, you get **44.6073, 41.4995, 6.3786**, and if you desaturate by 10%, it is **48.2472, 47.3874, 11.8833**.

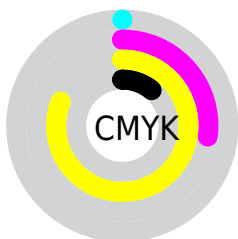
Distribution



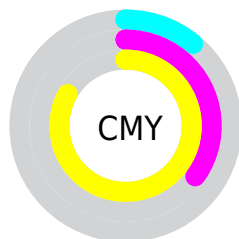
- Red (89%)
- Green (65%)
- Blue (17%)



- Red (53%)
- Yellow (89%)
- Blue (17%)



- Cyan (0%)
- Magenta (27%)
- Yellow (81%)
- Black (11%)





- Cyan (11%)
- Magenta (35%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2682, 44.3133, 8.4976 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 46.2682, 44.3133, 8.4976 by changing the saturation by 10% instead.


 46.2682, 44.3133,
8.4976

 46.2682, 44.3133,
8.4976


362.5837,
363.9852, 189.6624


 32.6630, 30.9169,
4.3227


 83.8456, 81.6890,
23.4904


 22.0264, 20.5356,
1.8040


 108.5486,
106.4370, 35.1453

 13.9930, 12.7849,
0.4306


 137.6816,
135.7378, 50.1307

 8.1975, 7.2806,
0.0000

 171.6099,
169.9755, 68.8649

 4.2744, 3.6382,
0.0000

 210.6990,
209.5348, 91.7667

 1.8585, 1.4733,
0.0000

 255.3140,

 0.5526, 0.2698,

254.7999, 119.2545

0.0000

305.8205,
306.1552, 151.7469

■ 0.0000, 0.0000,
0.0000

■ 46.2682, 44.3133,
8.4976

■ 46.2682, 44.3133,
8.4976

■ 44.6073, 41.4995,
6.3786

■ 48.2472, 47.3874,
11.8833

■ 43.2910, 39.0866,
5.2628

■ 50.5763, 50.7314,
16.7113

■ 53.2861, 54.3613,
23.1319

■ 56.4026, 58.2897,
31.2755

■ 59.9491, 62.5278,
41.2591

■ 63.9471, 67.0863,
53.1894

■ 68.4164, 71.9748,
67.1647

■ 73.3754, 77.2028,
83.2768

■ 78.8417, 82.7789,
101.6119

Harmonies

Analogous

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



58.4550, 44.3133, 13.8201



46.2682, 44.3133, 8.4976



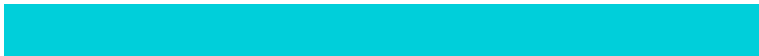
34.9452, 44.3133, 9.3964

Triad

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



46.2682, 44.3133, 8.4976



24.2446, 44.3133, 73.5435



61.7991, 44.3133, 103.2457

Complementary

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



46.2682, 44.3133, 8.4976



20.0937, 16.2396, 75.4735

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.



50.2117, 44.3133, 138.2587



46.2682, 44.3133, 8.4976



29.1501, 44.3133, 116.3061

Square

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



46.2682, 44.3133, 8.4976



23.5826, 44.3133, 37.6270



38.2246, 44.3133, 143.9129



68.4634, 44.3133, 60.7041

Rectangle

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



46.2682, 44.3133, 8.4976



29.2730, 44.3133, 13.6570



38.2246, 44.3133, 143.9129



58.2601, 44.3133, 116.9850

Sweetspot

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



46.2692, 44.3155, 8.4984



80.5813, 84.3984, 62.9647



35.4626, 19.3224, 15.3159



16.8534, 17.6147, 12.3021



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.



46.2692, 44.3155, 8.4984



56.2266, 51.1661, 7.1323



51.3112, 67.5835, 12.7239



15.1780, 15.9698, 15.1870



25.1111, 22.7963, 3.0766



1.9400, 1.8532, 0.2555

Inverse Universe

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



20.0937, 16.2396, 75.4735



21.7720, 14.5218, 96.2632



17.7803, 8.8857, 74.1760



13.9712, 14.6638, 18.2384



9.6590, 6.3800, 43.1056



0.7965, 0.6370, 3.2129

Previews

White Background



This preview shows how the XYZ color 46.2682, 44.3133, 8.4976 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 46.2682, 44.3133, 8.4976 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 46.2682, 44.3133, 8.4976

Background



This preview shows how black text looks on a background with the XYZ color 46.2682, 44.3133, 8.4976.



This preview shows how white text looks on a background with the XYZ color 46.2682, 44.3133,

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

46.2682, 44.3133, 8.4976

Protanopia

40.2529, 44.3254, 9.1234

Deuteranopia

45.3645, 44.3976, 8.4641



Tritanopia

53.2173, 44.2663, 42.7852

Trichromacy



Original Color

46.2682, 44.3133, 8.4976

Protanomaly

42.2075, 44.1710, 8.8860

Deuteranomaly

45.4900, 44.1872, 8.4169

Tritanomaly

49.4247, 43.7275, 24.5742

Monochromacy



Original Color

46.2682, 44.3133, 8.4976

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.8146, 41.4366, 25.3016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2682, 44.3133, 8.4976 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(228, 167, 44)` looks like.

```
.text, #text, p{  
    color:rgb(228, 167, 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(228, 167, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 167, 44) }
```

Border

The CSS property to change the border of an element to XYZ 46.2682, 44.3133, 8.4976 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(228, 167, 44) }
```


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

```
.border{ border-color:rgb(228, 167, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 167, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 167, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 167, 44);  
box-shadow:4px 4px 4px 4px rgb(228, 167,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2682, 44.3133, 8.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 167, 44) }
```

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

```
.background{ background-color: rgb(228,  
167, 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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