

Converting Colors

XYZ(45.9714, 54.9765, 8.1886)

Have a look what the booklet for
XYZ(45.9714, 54.9765, 8.1886)
contains.

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Color

**XYZ(46.0224, 55.0784,
8.2056)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCA00
RGB	204, 202, 0
RGB Percent	80%, 79%, 0%
CMY	0.2000, 0.2078, 0.9999
CMYK	0.00, 0.01, 1.00, 0.20
HSL	59°, 100%, 40%
HSV	59°, 100%, 80%
XYZ	46.0224, 55.0784, 8.2056
YIQ	179.5700, 66.0340, -62.3980

Conversions

Conversions Part 2

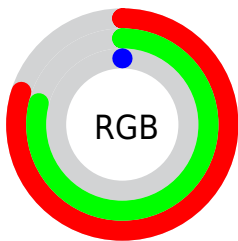
Format	Color
R_{YB}	2, 204, 0
Decimal	13421056
CIE _{Lab}	79.09, -17.23, 79.46
CIE _{LCh}	79, 81.310, 102.233
Yxy	55.0784, 0.4210, 0.5039
Android (android.graphics.Color)	4291611136 (0xFFCCCA00)
YUV	179.5700, -88.5280, 21.4251
Hunter-Lab	74.2148, -19.1838, 45.3949

Details

The XYZ color **46.0224, 55.0784, 8.2056** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **10.9213, 4.4036, 57.4008**, and the grayscale version is **43.5892, 45.8593, 49.9407**.

A 20% lighter version of the original color is **78.6002, 93.4201, 22.2767**, and **22.2670, 27.1996, 4.0764** is the 20% darker color. If you saturate the color by 10%, you get **46.0234, 55.0808, 8.2060**, and if you desaturate by 10%, it is **46.2004, 55.2266, 8.9066**.

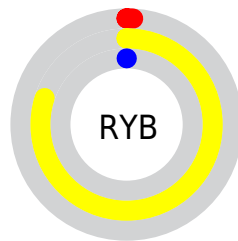
Distribution



Red (80%)

Green (79%)

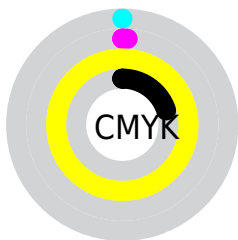
Blue (0%)



Red (1%)

Yellow (80%)

Blue (0%)

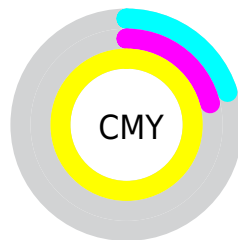


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0224, 55.0784, 8.2056 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 46.0224, 55.0784, 8.2056 by changing the saturation by 10% instead.


 46.0224, 55.0784,
8.2056


 46.0224, 55.0784,
8.2056


361.6131,
406.2090, 187.3303

 32.4682, 39.4645,
4.1371


 83.4802, 97.6558,
22.9133


 21.8766, 27.1213,
1.7009


 108.1145,
125.3881, 34.3896


 13.8824, 17.6643,
0.3613


 137.1728,
157.9287, 49.1723

 8.1201, 10.7093,
0.0000

 171.0206,
195.6619, 67.6799

 4.2243, 5.8717,
0.0000

 210.0232,
238.9721, 90.3310

 1.8298, 2.7672,
0.0000

 254.5459,

 0.5355, 1.0114,

288.2438, 117.5440

0.0000

304.9541,
343.8613, 149.7376

■ 0.0000, 0.0000,
0.0000

■ 46.0224, 55.0784,
8.2056

■ 46.0224, 55.0784,
8.2056

■ 46.0234, 55.0808,
8.2060

■ 46.2004, 55.2266,
8.9066

■ 46.5144, 55.4272,
10.3288

■ 47.0125, 55.7016,
12.7204

■ 47.7199, 56.0598,
16.2136

■ 48.6578, 56.5102,
20.9199

■ 49.8446, 57.0603,
26.9374

■ 51.2972, 57.7169,
34.3540

■ 53.0308, 58.4859,
43.2500

■ 55.0596, 59.3731,
53.6998

Harmonies

Analogous

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



62.4451, 55.0784, 8.8121



46.0224, 55.0784, 8.2056



34.0769, 55.0784, 15.1947

Triad

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



46.0224, 55.0784, 8.2056



32.5039, 55.0784, 142.1620



87.9796, 55.0784, 91.5288

Complementary

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



46.0224, 55.0784, 8.2056



10.9213, 4.4036, 57.4008

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.



76.2088, 55.0784, 153.2709



46.0224, 55.0784, 8.2056



43.4068, 55.0784, 191.3986

Square

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



46.0224, 55.0784, 8.2056



27.4231, 55.0784, 80.9338



59.2333, 55.0784, 196.2734



89.0848, 55.0784, 42.9818

Rectangle

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



46.0224, 55.0784, 8.2056



29.3377, 55.0784, 27.2657



59.2333, 55.0784, 196.2734



85.0420, 55.0784, 111.8872

Sweetspot

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



46.0236, 55.0810, 8.2067



84.8481, 95.5383, 56.3519



24.9207, 12.8453, 1.2643



17.9309, 20.3456, 10.8851



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.



46.0236, 55.0810, 8.2067



76.2099, 91.1998, 13.5866



27.4671, 46.2138, 7.4732



12.1441, 13.0771, 11.9635



28.9722, 34.6774, 5.1664



1.4977, 1.7952, 0.2676

Inverse Universe

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



10.9213, 4.4036, 57.4008



18.0771, 7.2741, 95.0590



16.0027, 6.9911, 57.6324



10.6104, 10.8613, 14.1076



6.8776, 2.7792, 36.1302



0.3580, 0.1497, 1.8650

Previews

White Background



This preview shows how the XYZ color 46.0224, 55.0784, 8.2056 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 46.0224, 55.0784, 8.2056 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 46.0224, 55.0784, 8.2056

Background



This preview shows how black text looks on a background with the XYZ color 46.0224, 55.0784, 8.2056.

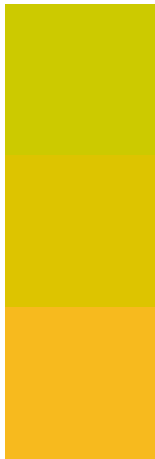


This preview shows how white text looks on a background with the XYZ color 46.0224, 55.0784,

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

46.0224, 55.0784, 8.2056

Protanopia

49.5587, 54.8520, 7.9755

Deuteranopia

56.1510, 54.9857, 8.8821



Tritanopia

57.2592, 54.9824, 63.4719

Trichromacy



Original Color

46.0224, 55.0784, 8.2056

Protanomaly

48.2184, 54.8352, 8.0429

Deuteranomaly

51.9222, 54.7352, 8.4445

Tritanomaly

50.1838, 53.7220, 28.4933

Monochromacy



Original Color

46.0224, 55.0784, 8.2056

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0640, 48.0231, 23.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0224, 55.0784, 8.2056 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(204, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 202, 0)  
}
```

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(204, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 202, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.0224, 55.0784, 8.2056 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(204, 202, 0) }
```


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

```
.border{ border-color:rgb(204, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 202,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0224, 55.0784, 8.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 202, 0) }
```

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

```
.background{ background-color: rgb(204,  
202, 0) }
```

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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