

Converting Colors

XYZ(46.1236, 50.4554, 25.7859)

Have a look what the booklet for
XYZ(46.1236, 50.4554, 25.7859)
contains.

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Color

**XYZ(46.0676, 50.3569,
25.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	CABD7A
RGB	202, 189, 122
RGB Percent	79%, 74%, 48%
CMY	0.2078, 0.2588, 0.5216
CMYK	0.00, 0.06, 0.40, 0.21
HSL	50°, 43%, 64%
HSV	50°, 40%, 79%
XYZ	46.0676, 50.3569, 25.7042
YIQ	185.2490, 29.2550, -18.0810

Conversions

Conversions Part 2

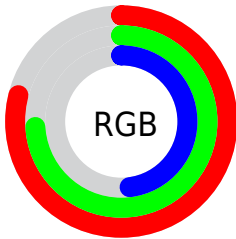
Format	Color
RYB	138, 202, 122
Decimal	13286778
CIELab	76.29, -5.04, 35.51
CIELCh	76, 35.865, 98.073
Yxy	50.3569, 0.3772, 0.4123
Android (android.graphics.Color)	4291476858 (0xFFCABD7A)
YUV	185.2490, -31.1818, 14.6906
Hunter-Lab	70.9626, -8.3057, 28.1977

Details

The XYZ color **46.0676, 50.3569, 25.7042** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.3505, 25.7291, 59.4018**, and the grayscale version is **46.4106, 48.8276, 53.1733**.

A 20% lighter version of the original color is **81.6303, 89.6600, 53.5612**, and **22.0065, 24.2792, 9.6574** is the 20% darker color. If you saturate the color by 10%, you get **44.2464, 48.5136, 19.5510**, and if you desaturate by 10%, it is **48.1674, 52.3409, 33.2349**.

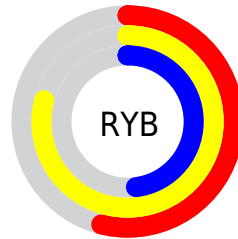
Distribution



Red (79%)

Green (74%)

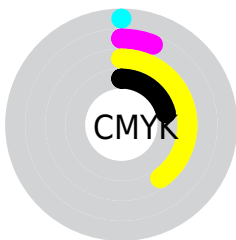
Blue (48%)



Red (54%)

Yellow (79%)

Blue (48%)

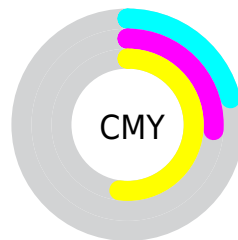


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (21%)



Cyan (21%)

Magenta (26%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0676, 50.3569, 25.7042 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 46.0676, 50.3569, 25.7042 by changing the saturation by 10% instead.

■ 46.0676, 50.3569,
25.7042

■ 46.0676, 50.3569,
25.7042

361.7917,
388.0600, 294.8861

■ 32.5040, 35.6971,
16.3787

■ 83.5474, 90.7035,
53.7756

■ 21.9042, 24.2003,
9.6353

■ 108.1943,
117.1590, 73.3585

■ 13.9027, 15.4823,
5.0554

■ 137.2664,
148.3151, 97.1977

■ 8.1343, 9.1586,
2.2205

171.1290,
184.5564, 125.7117

■ 4.2335, 4.8448,
0.6862

210.1475,
226.2671, 159.3190

■ 1.8351, 2.1565,
0.0000

254.6872,

■ 0.5387, 0.6961,

273.8317, 198.4381

0.0000

305.1135,
327.6345, 243.4876

■ 0.0000, 0.0000,
0.0000

■ 46.0676, 50.3569,
25.7042

■ 46.0676, 50.3569,
25.7042

■ 44.2464, 48.5136,
19.5510

■ 48.1674, 52.3409,
33.2349

■ 42.6838, 46.7972,
14.6866

■ 50.5571, 54.4647,
42.2182

■ 41.3628, 45.2028,
11.0168


■ 53.2517, 56.7363,
52.7275


■ 40.2628, 43.7218,
8.4334


■ 56.2642, 59.1612,
64.8302


■ 39.3593, 42.3443,
6.8084


■ 59.6066, 61.7442,
78.5898


 38.6087, 41.0526,
5.9121

 63.2905, 64.4902,
94.0662

 38.5800, 41.0023,
5.8808

 65.9442, 66.8506,
104.0356

 66.7727, 68.5076,
104.3117

 67.6179, 70.1982,
104.5935

Harmonies

Analogous

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



52.8616, 50.3569, 27.1265



46.0676, 50.3569, 25.7042



40.3151, 50.3569, 30.5156

Triad

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



46.0676, 50.3569, 25.7042



38.3776, 50.3569, 81.0188



60.9045, 50.3569, 69.8733

Complementary

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



46.0676, 50.3569, 25.7042



27.3505, 25.7291, 59.4018

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.



56.2981, 50.3569, 89.5026



46.0676, 50.3569, 25.7042



43.1893, 50.3569, 96.9169

Square

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



46.0676, 50.3569, 25.7042



36.1553, 50.3569, 60.2034



49.7039, 50.3569, 100.3402



61.8585, 50.3569, 49.7864

Rectangle

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



46.0676, 50.3569, 25.7042



37.6946, 50.3569, 37.4672



49.7039, 50.3569, 100.3402



59.7124, 50.3569, 76.8674

Sweetspot

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



46.0688, 50.3592, 25.7052



88.9436, 95.0530, 84.4650



35.7137, 28.2349, 26.6131



18.9056, 20.2350, 17.5614



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.



46.0688, 50.3592, 25.7052



75.1880, 82.4264, 33.9927



42.3878, 52.7989, 26.3702



11.9927, 12.7743, 11.9130



24.8809, 26.4948, 3.8026



1.3261, 1.4518, 0.2103

Inverse Universe

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



27.3505, 25.7291, 59.4018



38.9665, 34.7875, 99.2686



29.9544, 24.5422, 59.0355



10.7465, 11.1335, 14.1529



7.2502, 3.5244, 36.2544



0.4213, 0.2764, 1.8861

Previews

White Background



This preview shows how the XYZ color 46.0676, 50.3569, 25.7042 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 46.0676, 50.3569, 25.7042 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 46.0676, 50.3569, 25.7042

Background



This preview shows how black text looks on a background with the XYZ color 46.0676, 50.3569, 25.7042.



This preview shows how white text looks on a background with the XYZ color 46.0676, 50.3569,

25.7042.

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

46.0676, 50.3569, 25.7042

Protanopia

46.6729, 50.3507, 25.6711

Deuteranopia

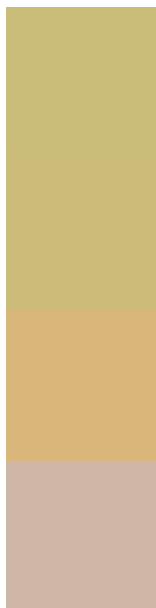
51.3234, 50.2665, 26.0662



Tritanopia

52.6372, 50.2392, 57.9618

Trichromacy



Original Color

46.0676, 50.3569, 25.7042

Protanomaly

46.3979, 50.2089, 25.6582

Deuteranomaly

49.1239, 50.0487, 25.8102

Tritanomaly

49.7335, 49.9595, 44.0677

Monochromacy



Original Color

46.0676, 50.3569, 25.7042

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5664, 48.8028, 41.2007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0676, 50.3569, 25.7042 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(202, 189, 122)` looks like.

```
.text, #text, p{  
    color:rgb(202, 189, 122)  
}
```

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(202, 189, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 189, 122) }
```

Border

The CSS property to change the border of an element to XYZ 46.0676, 50.3569, 25.7042 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(202, 189, 122) }
```


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

```
.border{ border-color:rgb(202, 189, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 189, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 189, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 189, 122);  
box-shadow:4px 4px 4px 4px rgb(202, 189,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0676, 50.3569, 25.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 189, 122) }
```

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

```
.background{ background-color: rgb(202,  
189, 122) }
```

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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