

Converting Colors

XYZ(45.6864, 42.5594, 46.8563)

Have a look what the booklet for
XYZ(45.6864, 42.5594, 46.8563)
contains.

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Color

**XYZ(45.6487, 42.6014,
46.8912)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA5B0
RGB	202, 165, 176
RGB Percent	79%, 65%, 69%
CMY	0.2078, 0.3529, 0.3098
CMYK	0.00, 0.18, 0.13, 0.21
HSL	342°, 26%, 72%
HSV	342°, 18%, 79%
XYZ	45.6487, 42.6014, 46.8912
YIQ	177.3170, 18.5210, 11.2650

Conversions

Conversions Part 2

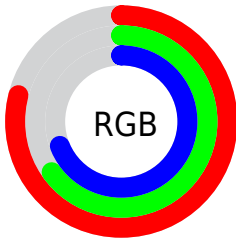
Format	Color
R_{YB}	202, 165, 176
Decimal	13280688
CIE _{Lab}	71.28, 15.34, -0.54
CIE _{LCh}	71, 15.349, 357.966
Yxy	42.6014, 0.3378, 0.3152
Android (android.graphics.Color)	4291470768 (0xFFCAA5B0)
YUV	177.3170, -0.6493, 21.6470
Hunter-Lab	65.2697, 10.6182, 3.0936

Details

The XYZ color **45.6487, 42.6014, 46.8912** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.0432, 54.0030, 57.2897**, and the grayscale version is **41.9540, 44.1389, 48.0673**.

A 20% lighter version of the original color is **81.3987, 78.2726, 87.1619**, and **21.7560, 19.5614, 21.6978** is the 20% darker color. If you saturate the color by 10%, you get **40.9572, 35.3496, 38.7561**, and if you desaturate by 10%, it is **51.0650, 51.0667, 55.9937**.

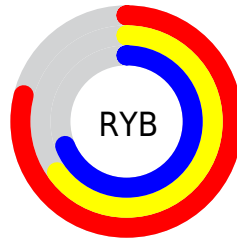
Distribution



Red (79%)

Green (65%)

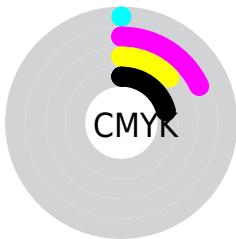
Blue (69%)



Red (79%)

Yellow (65%)

Blue (69%)

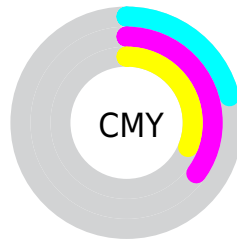


Cyan (0%)

Magenta (18%)

Yellow (13%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6487, 42.6014, 46.8912 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 45.6487, 42.6014, 46.8912 by changing the saturation by 10% instead.


 45.6487, 42.6014,
46.8912


 45.6487, 42.6014,
46.8912


360.1342,
356.9700, 390.7613

 32.1721, 29.5725,
32.5959


 82.9241, 79.1090,
86.8995

 21.6492, 19.5143,
21.5485

 107.4536,
103.3565, 113.4496

 13.7145, 12.0425,
13.3304


136.3982,
132.1123, 144.9217

 8.0028, 6.7726,
7.5230

170.1232,
165.7608, 181.7343

 4.1485, 3.3203,
3.7079

208.9939,
204.6865, 224.3060

 1.7865, 1.3012,
1.4665

253.3757,

 0.5095, 0.1421,

249.2736, 273.0554

0.1928

303.6340,
299.9066, 328.4010

■ 0.0000, 0.0000,
0.0000

■ 45.6487, 42.6014,
46.8912

■ 45.6487, 42.6014,
46.8912

■ 40.9572, 35.3496,
38.7561

■ 51.0650, 51.0667,
55.9937

■ 36.9554, 29.2498,
31.5530

■ 57.2320, 60.7918,
66.0918

■ 33.6107, 24.2438,
25.2482

■ 64.1786, 71.8277,
77.2162

■ 30.8864, 20.2662,
19.8050

■ 71.9312, 84.2206,
89.3951

■ 28.7418, 17.2443,
15.1838

■ 76.9029, 90.7909,
101.4517

■ 27.1315, 15.0958,
11.3417

■ 78.1673, 91.2967,
108.1099

■ 26.0023, 13.7243,
8.2312

■ 25.2757, 12.9831,
5.7937

■ 25.1740, 12.8833,
5.4405

Harmonies

Analogous

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



44.8395, 42.6014, 54.3286



45.6487, 42.6014, 46.8912



45.0280, 42.6014, 40.0431

Triad

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



45.6487, 42.6014, 46.8912



38.2115, 42.6014, 34.9454



37.9192, 42.6014, 59.4879

Complementary

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



45.6487, 42.6014, 46.8912



46.0432, 54.0030, 57.2897

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.



36.2701, 42.6014, 53.3649



45.6487, 42.6014, 46.8912



36.4338, 42.6014, 39.2574

Square

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



45.6487, 42.6014, 46.8912



40.6675, 42.6014, 33.5982



35.7379, 42.6014, 45.8838



40.3157, 42.6014, 62.0647

Rectangle

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



45.6487, 42.6014, 46.8912



43.9011, 42.6014, 36.6222



35.7379, 42.6014, 45.8838



37.2629, 42.6014, 57.7463

Sweetspot

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



45.6499, 42.6033, 46.8921



89.7072, 91.5694, 100.1673



45.5780, 42.2400, 61.6285



19.0460, 19.3556, 21.1848



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.



45.6499, 42.6033, 46.8921



73.9801, 66.9967, 73.7102



45.9788, 44.9325, 41.8491



11.3472, 11.2676, 12.3632



16.2335, 8.3040, 3.6824



0.8711, 0.4419, 0.3673

Inverse Universe

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



45.6499, 42.6033, 46.8921



73.9801, 66.9967, 73.7102



45.6048, 51.1160, 63.3403



11.3472, 11.2676, 12.3632



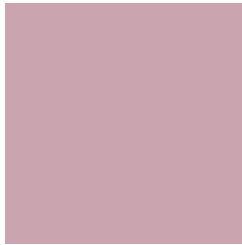
16.2335, 8.3040, 3.6824



0.8711, 0.4419, 0.3673

Previews

White Background



This preview shows how the XYZ color 45.6487, 42.6014, 46.8912 looks on a white background.

Color Contrast Check

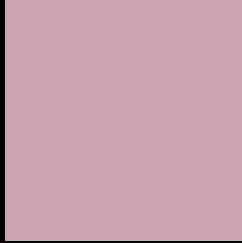
Large Text (above 18pt) WCAG AA × Fail

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 45.6487, 42.6014, 46.8912 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 45.6487, 42.6014, 46.8912

Background



This preview shows how black text looks on a background with the XYZ color 45.6487, 42.6014, 46.8912.



This preview shows how white text looks on a background with the XYZ color 45.6487, 42.6014,

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

45.6487, 42.6014, 46.8912

Protanopia

41.3810, 42.8384, 49.8037

Deuteranopia

43.4117, 42.5474, 46.4819



Tritanopia

45.8481, 42.6812, 47.9413

Trichromacy



Original Color

45.6487, 42.6014, 46.8912

Protanomaly

42.7072, 42.6948, 48.6378

Deuteranomaly

44.2462, 42.7025, 46.4678

Tritanomaly

45.7481, 42.6411, 47.4144

Monochromacy



Original Color

45.6487, 42.6014, 46.8912

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1291, 43.5006, 47.7183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6487, 42.6014, 46.8912 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, 165, 176)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 176)  
}
```

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, 165, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.6487, 42.6014, 46.8912 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, 165, 176) }
```


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

```
.border{ border-color:rgb(202, 165, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 176);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6487, 42.6014, 46.8912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 176) }
```

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

```
.background{ background-color: rgb(202,  
165, 176) }
```

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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