

Converting Colors

XYZ(45.3810, 42.4460, 45.0407)

Have a look what the booklet for
XYZ(45.3810, 42.4460, 45.0407)
contains.

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Color

**XYZ(45.2586, 42.4454,
44.8371)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA5AC
RGB	202, 165, 172
RGB Percent	79%, 65%, 67%
CMY	0.2078, 0.3529, 0.3255
CMYK	0.00, 0.18, 0.15, 0.21
HSL	349°, 26%, 72%
HSV	349°, 18%, 79%
XYZ	45.2586, 42.4454, 44.8371
YIQ	176.8610, 19.8050, 10.0210

Conversions

Conversions Part 2

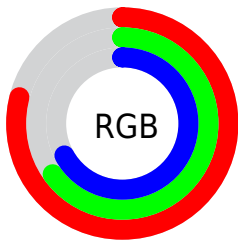
Format	Color
R _{YB}	202, 165, 172
Decimal	13280684
CIE Lab	71.18, 14.68, 1.51
CIE LCh	71, 14.758, 5.872
Yxy	42.4454, 0.3415, 0.3202
Android (android.graphics.Color)	4291470764 (0xFFCAA5AC)
YUV	176.8610, -2.3965, 22.0469
Hunter-Lab	65.1501, 9.9879, 4.8010

Details

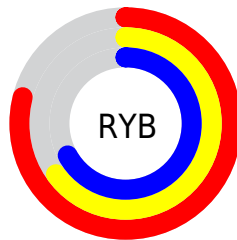
The XYZ color **45.2586, 42.4454, 44.8371** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.4896, 54.1815, 59.6402**, and the grayscale version is **41.7229, 43.8957, 47.8024**.

A 20% lighter version of the original color is **80.6983, 77.9925, 83.4738**, and **21.5080, 19.4622, 20.3923** is the 20% darker color. If you saturate the color by 10%, you get **40.4216, 35.1354, 35.9359**, and if you desaturate by 10%, it is **50.8674, 50.9877, 54.9533**.

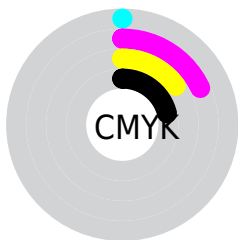
Distribution



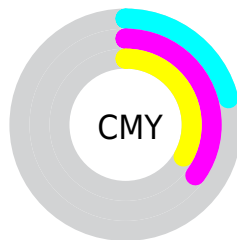
- Red (79%)
- Green (65%)
- Blue (67%)



- Red (79%)
- Yellow (65%)
- Blue (67%)



- Cyan (0%)
- Magenta (18%)
- Yellow (15%)
- Black (21%)





- Cyan (21%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2586, 42.4454, 44.8371 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 45.2586, 42.4454, 44.8371 by changing the saturation by 10% instead.


 45.2586, 42.4454,
44.8371


 45.2586, 42.4454,
44.8371


358.5860,
356.3260, 382.2543

 31.8633, 29.4502,
30.9871


 82.3430, 78.8733,
83.7918

 21.4122, 19.4217,
20.3307

 106.7628,
103.0748, 109.7335

 13.5398, 11.9754,
12.4492


135.5882,
131.7804, 140.5430

 7.8808, 6.7269,
6.9241

169.1845,
165.3747, 176.6386

 4.0700, 3.2919,
3.3370

207.9171,
204.2421, 218.4391

 1.7418, 1.2860,
1.2692

252.1513,

 0.4822, 0.1303,

248.7668, 266.3628

0.0363

302.2525,
299.3333, 320.8283

0.0000, 0.0000,
0.0000

45.2586, 42.4454,
44.8371

45.2586, 42.4454,
44.8371

40.4216, 35.1354,
35.9359

50.8674, 50.9877,
54.9533

36.3188, 28.9952,
28.2009

57.2762, 60.8096,
66.3253

32.9149, 23.9655,
21.5843

64.5164, 71.9628,
78.9953

30.1701, 19.9798,
16.0335

72.6162, 84.4947,
93.0026

28.0407, 16.9639,
11.4918

77.9909, 91.2261,
107.1811

■ 26.4773, 14.8341,
7.8971

■ 78.1672, 91.2966,
108.1099

■ 25.4228, 13.4925,
5.1800

■ 24.7937, 12.7903,
3.2562

■ 24.7103, 12.6979,
2.9992

Harmonies

Analogous

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



44.8385, 42.4454, 52.0069



45.2586, 42.4454, 44.8371



44.3187, 42.4454, 38.6890

Triad

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



45.2586, 42.4454, 44.8371



37.6214, 42.4454, 36.0391



38.4310, 42.4454, 59.7862

Complementary

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



45.2586, 42.4454, 44.8371



46.4896, 54.1815, 59.6402

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.



36.6126, 42.4454, 54.6605



45.2586, 42.4454, 44.8371



36.1587, 42.4454, 40.8714

Square

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



45.2586, 42.4454, 44.8371



39.8588, 42.4454, 33.9536



35.7970, 42.4454, 47.6225



40.8313, 42.4454, 61.1233

Rectangle

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



45.2586, 42.4454, 44.8371



43.0691, 42.4454, 35.8381



35.7970, 42.4454, 47.6225



37.7346, 42.4454, 58.4253

Sweetspot

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



45.2598, 42.4473, 44.8380



89.4963, 91.4851, 99.0566



46.5196, 42.7254, 61.6724



18.9949, 19.3352, 20.9156



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.



45.2598, 42.4473, 44.8380



73.2122, 66.6895, 69.6661



46.6949, 46.3648, 42.0879



11.2976, 11.2478, 12.1016



15.9254, 8.1808, 2.0599



0.8482, 0.4327, 0.2465

Inverse Universe

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



45.2598, 42.4473, 44.8380



73.2122, 66.6895, 69.6661



44.7882, 49.4830, 63.0680



11.2976, 11.2478, 12.1016



15.9254, 8.1808, 2.0599



0.8482, 0.4327, 0.2465

Previews

White Background



This preview shows how the XYZ color 45.2586, 42.4454, 44.8371 looks on a white background.

Color Contrast Check

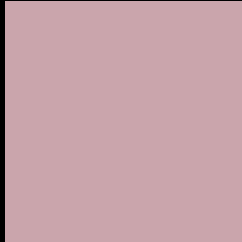
Large Text (above 18pt) WCAG AA × Fail

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 45.2586, 42.4454, 44.8371 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 45.2586, 42.4454, 44.8371

Background



This preview shows how black text looks on a background with the XYZ color 45.2586, 42.4454, 44.8371.



This preview shows how white text looks on a background with the XYZ color 45.2586, 42.4454,

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

45.2586, 42.4454, 44.8371

Protanopia

41.2033, 42.7935, 47.6833

Deuteranopia

43.2769, 42.5227, 44.4548



Tritanopia

45.8399, 42.4218, 47.3672

Trichromacy



Original Color

45.2586, 42.4454, 44.8371

Protanomaly

42.5505, 42.6601, 46.5490

Deuteranomaly

44.1183, 42.6813, 44.4411

Tritanomaly

45.6419, 42.3426, 46.3248

Monochromacy



Original Color

45.2586, 42.4454, 44.8371

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9311, 43.4214, 46.6759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2586, 42.4454, 44.8371 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 172) }
```

Border

The CSS property to change the border of an element to XYZ 45.2586, 42.4454, 44.8371 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, 172) }
```


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

```
.border{ border-color:rgb(202, 165, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2586, 42.4454, 44.8371 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, 172) }
```

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

```
.background{ background-color: rgb(202,  
165, 172) }
```

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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