

Converting Colors

XYZ(41.9822, 35.8076, 44.0066)

Have a look what the booklet for
XYZ(41.9822, 35.8076, 44.0066)
contains.

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Color

**XYZ(42.0253, 35.8245,
44.2350)**

Conversions

Conversions Part 1

Format	Color
Hex	CA91AD
RGB	202, 145, 173
RGB Percent	79%, 57%, 68%
CMY	0.2078, 0.4314, 0.3216
CMYK	0.00, 0.28, 0.14, 0.21
HSL	331°, 35%, 68%
HSV	331°, 28%, 79%
XYZ	42.0253, 35.8245, 44.2350
YIQ	165.2350, 24.9840, 20.7920

Conversions

Conversions Part 2

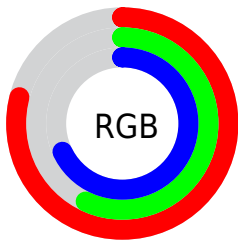
Format	Color
R _Y B	202, 145, 173
Decimal	13275565
CIE Lab	66.39, 25.80, -6.08
CIE LCh	66, 26.511, 346.737
Yxy	35.8245, 0.3442, 0.2934
Android (android.graphics.Color)	4291465645 (0xFFCA91AD)
YUV	165.2350, 3.8281, 32.2429
Hunter-Lab	59.8536, 20.5874, -1.9210

Details

The XYZ color **42.0253, 35.8245, 44.2350** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4390, 51.3177, 47.8207**, and the grayscale version is **35.8516, 37.7187, 41.0757**.

A 20% lighter version of the original color is **75.6670, 67.7083, 82.4797**, and **19.4865, 15.5889, 20.0711** is the 20% darker color. If you saturate the color by 10%, you get **38.2523, 29.8090, 38.2580**, and if you desaturate by 10%, it is **46.4257, 42.9715, 50.7995**.

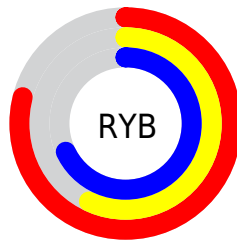
Distribution



Red (79%)

Green (57%)

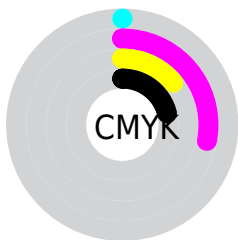
Blue (68%)



Red (79%)

Yellow (57%)

Blue (68%)

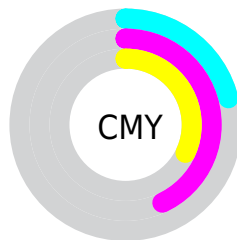


Cyan (0%)

Magenta (28%)

Yellow (14%)

Black (21%)



Cyan (21%)


Magenta (43%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0253, 35.8245, 44.2350 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 42.0253, 35.8245, 44.2350 by changing the saturation by 10% instead.


 42.0253, 35.8245,
44.2350


 42.0253, 35.8245,
44.2350


345.5776,
328.1928, 379.7358

 29.3123, 24.2987,
30.5167


 77.5028, 68.7611,
82.8775

 19.4627, 15.5553,
19.9758


 100.9981, 90.9407,
108.6388

 12.1110, 9.2101,
12.1935


128.8181,
117.4403, 139.2516

 6.8921, 4.8784,
6.7515

161.3283,
148.6443, 175.1343

 3.4404, 2.1761,
3.2311

198.8940,
184.9372, 216.7055

 1.3907, 0.7069,
1.2138

241.8805,

 0.2496, 0.0000,

226.7033, 264.3838

0.0000

290.6533,
274.3271, 318.5877

■ 0.0000, 0.0000,
0.0000

■ 42.0253, 35.8245,
44.2350

■ 42.0253, 35.8245,
44.2350

■ 38.2523, 29.8090,
38.2580

■ 46.4257, 42.9715,
50.7995

■ 35.0727, 24.8611,
32.8474

■ 51.4790, 51.2995,
57.9668

■ 32.4542, 20.9183,
27.9842

■ 57.2129, 60.8611,
65.7547

■ 30.3595, 17.9095,
23.6469

■ 63.6526, 71.7043,
74.1791

■ 28.7469, 15.7539,
19.8121

■ 70.8222, 83.8744,
83.2555

■ 27.5675, 14.3569,
16.4536

■ 75.0647, 90.0556,
91.7723

■ 26.7481, 13.5756,
13.5368

■ 76.5905, 90.6659,
99.8066

■ 26.6200, 13.4617,
13.0554

■ 78.1672, 91.2966,
108.1099

Harmonies

Analogous

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



39.9110, 35.8245, 55.9715



42.0253, 35.8245, 44.2350



41.8877, 35.8245, 33.0490

Triad

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



42.0253, 35.8245, 44.2350



31.9008, 35.8245, 21.6069



29.0864, 35.8245, 57.1713

Complementary

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



42.0253, 35.8245, 44.2350



40.4390, 51.3177, 47.8207

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.



27.2567, 35.8245, 45.6407



42.0253, 35.8245, 44.2350



28.7931, 35.8245, 25.8714

Square

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



42.0253, 35.8245, 44.2350



35.8298, 35.8245, 21.3766



27.1537, 35.8245, 34.2077



32.3303, 35.8245, 64.3607

Rectangle

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



42.0253, 35.8245, 44.2350



40.5345, 35.8245, 27.3470



27.1537, 35.8245, 34.2077



28.2970, 35.8245, 53.5835

Sweetspot

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



42.0263, 35.8261, 44.2357



87.2575, 87.0173, 98.2797



38.1319, 33.4583, 60.3257



18.3813, 18.1358, 20.6250



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.



42.0263, 35.8261, 44.2357



67.0417, 54.0736, 68.4573



39.5946, 34.8535, 31.4306



11.4382, 11.3040, 12.8419



17.1744, 8.6803, 8.6368



0.9243, 0.4631, 0.6473

Inverse Universe

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



42.0263, 35.8261, 44.2357



67.0417, 54.0736, 68.4573



43.4593, 52.5258, 63.7253



11.4382, 11.3040, 12.8419



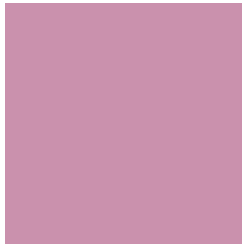
17.1744, 8.6803, 8.6368



0.9243, 0.4631, 0.6473

Previews

White Background



This preview shows how the XYZ color 42.0253, 35.8245, 44.2350 looks on a white background.

Color Contrast Check

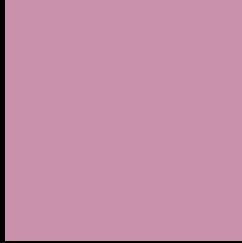
Large Text (above 18pt) WCAG AA × Fail

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 42.0253, 35.8245, 44.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

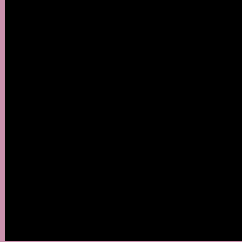
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0253, 35.8245, 44.2350

Background



This preview shows how black text looks on a background with the XYZ color 42.0253, 35.8245, 44.2350.



This preview shows how white text looks on a background with the XYZ color 42.0253, 35.8245,

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

42.0253, 35.8245, 44.2350

Protanopia

35.3927, 36.1777, 49.9174

Deuteranopia

36.6412, 35.9385, 43.5337



Tritanopia

40.5111, 35.6500, 37.5469

Trichromacy



Original Color

42.0253, 35.8245, 44.2350

Protanomaly

37.3136, 35.6960, 47.5712

Deuteranomaly

38.6048, 35.9514, 43.9343

Tritanomaly

41.0671, 35.6556, 39.8397

Monochromacy



Original Color

42.0253, 35.8245, 44.2350

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.6548, 36.7459, 42.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0253, 35.8245, 44.2350 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, 145, 173)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 173)  
}
```

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, 145, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.0253, 35.8245, 44.2350 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, 145, 173) }
```


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

```
.border{ border-color:rgb(202, 145, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 173);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0253, 35.8245, 44.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 173) }
```

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

```
.background{ background-color: rgb(202,  
145, 173) }
```

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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