

Converting Colors

XYZ(42.3208, 35.8468, 45.6191)

Have a look what the booklet for
XYZ(42.3208, 35.8468, 45.6191)
contains.

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Color

**XYZ(42.3190, 35.9419,
45.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	CA91B0
RGB	202, 145, 176
RGB Percent	79%, 57%, 69%
CMY	0.2078, 0.4314, 0.3098
CMYK	0.00, 0.28, 0.13, 0.21
HSL	327°, 35%, 68%
HSV	327°, 28%, 79%
XYZ	42.3190, 35.9419, 45.7813
YIQ	165.5770, 24.0210, 21.7250

Conversions

Conversions Part 2

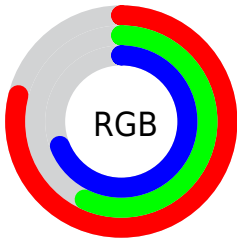
Format	Color
RYB	202, 145, 176
Decimal	13275568
CIELab	66.48, 26.30, -7.63
CIELCh	66, 27.387, 343.816
Yxy	35.9419, 0.3412, 0.2898
Android (android.graphics.Color)	4291465648 (0xFFCA91B0)
YUV	165.5770, 5.1385, 31.9430
Hunter-Lab	59.9516, 21.0855, -3.3100

Details

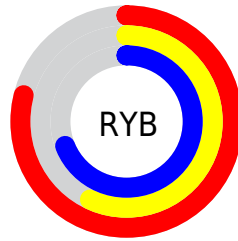
The XYZ color **42.3190, 35.9419, 45.7813** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.1498, 51.2021, 46.2973**, and the grayscale version is **36.0102, 37.8856, 41.2574**.

A 20% lighter version of the original color is **76.2289, 67.9330, 85.4386**, and **19.6734, 15.6637, 21.0553** is the 20% darker color. If you saturate the color by 10%, you get **38.6216, 29.9566, 40.2023**, and if you desaturate by 10%, it is **46.6292, 43.0528, 51.8707**.

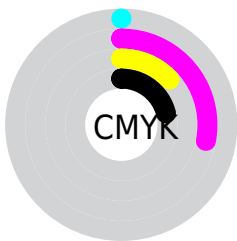
Distribution



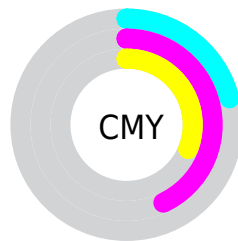
- Red (79%)
- Green (57%)
- Blue (69%)



- Red (79%)
- Yellow (57%)
- Blue (69%)



- Cyan (0%)
- Magenta (28%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3190, 35.9419, 45.7813 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 42.3190, 35.9419, 45.7813 by changing the saturation by 10% instead.


 42.3190, 35.9419,
45.7813


 42.3190, 35.9419,
45.7813

346.7728,
328.7065, 386.1807

 29.5434, 24.3893,
31.7259

 77.9443, 68.9424,
85.2224

 19.6386, 15.6227,
20.8891


 101.5247, 91.1591,
111.4452

 12.2393, 9.2575,
12.8525


129.4374,
117.6993, 142.5608

 6.9803, 4.9096,
7.1975

162.0478,
148.9474, 178.9878

 3.4960, 2.1943,
3.5056

199.7211,
185.2877, 221.1448

 1.4211, 0.7169,
1.3583

242.8228,

 0.2712, 0.0000,

227.1048, 269.4502

0.1088

291.7183,
274.7829, 324.3227

■ 0.0000, 0.0000,
0.0000

■ 42.3190, 35.9419,
45.7813

■ 42.3190, 35.9419,
45.7813

■ 38.6216, 29.9566,
40.2023

■ 46.6292, 43.0528,
51.8707

■ 35.5035, 25.0333,
35.1154

■ 51.5772, 51.3387,
58.4836

■ 32.9328, 21.1097,
30.5041

■ 57.1902, 60.8519,
65.6351

■ 30.8729, 18.1148,
26.3499

■ 63.4932, 71.6404,
73.3390

■ 29.2826, 15.9681,
22.6323

■ 70.5095, 83.7493,
81.6085

■ 28.1136, 14.5753,
19.3285

■ 74.5821, 89.8626,
89.2299

■ 27.2932, 13.7936,
16.4070

■ 75.9205, 90.3979,
96.2781

■ 27.1639, 13.6793,
15.9189

■ 77.3286, 90.9612,
103.6928

■ 78.1674, 91.2967,
108.1099

Harmonies

Analogous

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



39.9248, 35.9419, 57.8229



42.3190, 35.9419, 45.7813



42.4165, 35.9419, 33.9793

Triad

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



42.3190, 35.9419, 45.7813



32.3107, 35.9419, 21.0278



28.7755, 35.9419, 56.9701

Complementary

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



42.3190, 35.9419, 45.7813



40.1498, 51.2021, 46.2973

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.



27.0541, 35.9419, 44.7866



42.3190, 35.9419, 45.7813



28.9818, 35.9419, 24.9812

Square

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



42.3190, 35.9419, 45.7813



36.4099, 35.9419, 21.1880



27.1264, 35.9419, 33.1646



32.0080, 35.9419, 65.1145

Rectangle

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



42.3190, 35.9419, 45.7813



41.1502, 35.9419, 27.8512



27.1264, 35.9419, 33.1646



28.0129, 35.9419, 53.1157

Sweetspot

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



42.3200, 35.9435, 45.7820



87.4216, 87.0829, 99.1439



37.5060, 33.1355, 60.2967



18.4226, 18.1524, 20.8426



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.



42.3200, 35.9435, 45.7820



67.6217, 54.3056, 71.5115



39.8173, 34.9424, 32.6026



11.4632, 11.3140, 12.9739



17.5249, 8.8206, 10.4829



0.9421, 0.4702, 0.7410

Inverse Universe

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



42.3200, 35.9435, 45.7820



67.6217, 54.3056, 71.5115



43.1250, 52.3922, 61.9647



11.4632, 11.3140, 12.9739



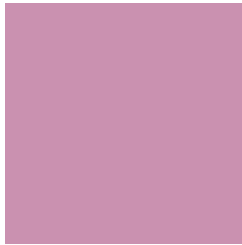
17.5249, 8.8206, 10.4829



0.9421, 0.4702, 0.7410

Previews

White Background



This preview shows how the XYZ color 42.3190, 35.9419, 45.7813 looks on a white background.

Color Contrast Check

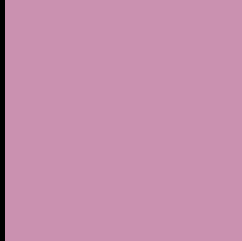
Large Text (above 18pt) WCAG AA × Fail

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 42.3190, 35.9419, 45.7813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

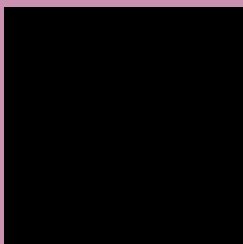
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3190, 35.9419, 45.7813

Background



This preview shows how black text looks on a background with the XYZ color 42.3190, 35.9419, 45.7813.



This preview shows how white text looks on a background with the XYZ color 42.3190, 35.9419,

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

42.3190, 35.9419, 45.7813

Protanopia

35.7083, 36.3040, 51.5797

Deuteranopia

36.7102, 35.9406, 45.0468



Tritanopia

40.6673, 35.9624, 37.5989

Trichromacy



Original Color

42.3190, 35.9419, 45.7813

Protanomaly

37.6204, 35.8188, 49.1869

Deuteranomaly

38.6575, 35.9449, 45.4580

Tritanomaly

41.3126, 36.0016, 40.3689

Monochromacy



Original Color

42.3190, 35.9419, 45.7813

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.0730, 36.9397, 43.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3190, 35.9419, 45.7813 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 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, 145, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.3190, 35.9419, 45.7813 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, 176) }
```


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

```
.border{ border-color:rgb(202, 145, 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, 145, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 176);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3190, 35.9419, 45.7813 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, 176) }
```

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

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