

Converting Colors

XYZ(42.2681, 35.5395, 45.9713)

Have a look what the booklet for
XYZ(42.2681, 35.5395, 45.9713)
contains.

XYZ(42.3869, 35.5158, 46.2162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.3869, 35.5158,
46.2162)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8FB1
RGB	203, 143, 177
RGB Percent	80%, 56%, 69%
CMY	0.2039, 0.4392, 0.3059
CMYK	0.00, 0.30, 0.13, 0.20
HSL	326°, 37%, 68%
HSV	326°, 30%, 80%
XYZ	42.3869, 35.5158, 46.2162
YIQ	164.8160, 24.8460, 23.2940

Conversions

Conversions Part 2

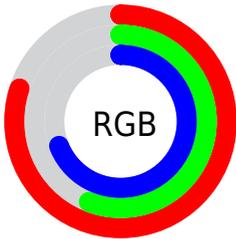
Format	Color
R _Y B	203, 143, 177
Decimal	13340593
CIE Lab	66.15, 27.92, -8.67
CIE LCh	66, 29.232, 342.746
Yxy	35.5158, 0.3415, 0.2861
Android (android.graphics.Color)	4291530673 (0xFFCB8FB1)
YUV	164.8160, 6.0067, 33.4874
Hunter-Lab	59.5951, 22.6662, -4.2630

Details

The XYZ color **42.3869, 35.5158, 46.2162** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8466, 51.4171, 45.3629**, and the grayscale version is **35.6408, 37.4969, 40.8341**.

A 20% lighter version of the original color is **75.9142, 67.0757, 86.0366**, and **19.6780, 15.4054, 21.0052** is the 20% darker color. If you saturate the color by 10%, you get **38.7621, 29.6242, 40.8204**, and if you desaturate by 10%, it is **46.6217, 42.5361, 52.0950**.

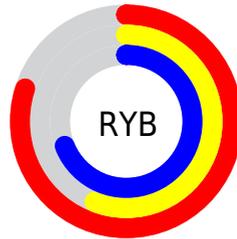
Distribution



Red (80%)

Green (56%)

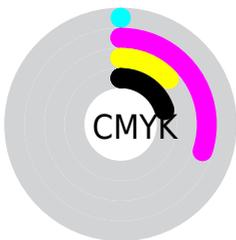
Blue (69%)



Red (80%)

Yellow (56%)

Blue (69%)

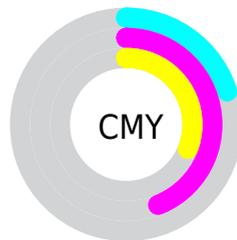


Cyan (0%)

Magenta (30%)

Yellow (13%)

Black (20%)



Cyan (20%)

Magenta (44%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3869, 35.5158, 46.2162 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 42.3869, 35.5158, 46.2162 by changing the saturation by 10% instead.

 42.3869, 35.5158,
46.2162

 42.3869, 35.5158,
46.2162

347.0487,
326.8392, 387.9800

 29.5968, 24.0605,
32.0666

 78.0463, 68.2841,
85.8802

 19.6793, 15.3785,
21.1471

 101.6464, 90.3658,
112.2316

 12.2690, 9.0854,
13.0393

129.5805,
116.7584, 143.4873

 7.0007, 4.7970,
7.3246

162.2139,
147.8464, 180.0659

 3.5089, 2.1286,
3.5844

199.9121,
184.0140, 222.3860

 1.4282, 0.6807,
1.4002

243.0404,

 0.2762, 0.0000,

225.6458, 270.8659

0.1419

291.9641,
273.1261, 325.9244

■ 0.0000, 0.0000,
0.0000

■ 42.3869, 35.5158,
46.2162

■ 42.3869, 35.5158,
46.2162

■ 38.7621, 29.6242,
40.8204

■ 46.6217, 42.5361,
52.0950

■ 35.7134, 24.7965,
35.8900

■ 51.4920, 50.7357,
58.4693

■ 33.2082, 20.9687,
31.4091

■ 57.0255, 60.1679,
65.3536

■ 31.2092, 18.0680,
27.3598

■ 63.2474, 70.8814,
72.7611

■ 29.6740, 16.0115,
23.7221

■ 70.1812, 82.9224,
80.7044

■ 28.5526, 14.7012,
20.4737

■ 74.6415, 89.9177,
88.1262

■ 27.7574, 13.9638,
17.5790

■ 75.9071, 90.4239,
94.7906

■ 27.7250, 13.9351,
17.4566

■ 77.2359, 90.9555,
101.7881

■ 78.4388, 91.4366,
108.1226

Harmonies

Analogous

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



39.7552, 35.5158, 59.0538



42.3869, 35.5158, 46.2162



42.5853, 35.5158, 33.6249

Triad

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



42.3869, 35.5158, 46.2162



31.9456, 35.5158, 19.7028



27.9818, 35.5158, 57.3053

Complementary

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



42.3869, 35.5158, 46.2162



39.8466, 51.4171, 45.3629

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.



26.2413, 35.5158, 44.1975



42.3869, 35.5158, 46.2162



28.3941, 35.5158, 23.6176

Square

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



42.3869, 35.5158, 46.2162



36.2977, 35.5158, 20.0154



26.3855, 35.5158, 31.9947



31.3371, 35.5158, 66.3398

Rectangle

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



42.3869, 35.5158, 46.2162



41.2880, 35.5158, 27.1113



26.3855, 35.5158, 31.9947



27.2019, 35.5158, 53.1218

Sweetspot

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



42.3879, 35.5174, 46.2169



86.6004, 85.5973, 98.3873



36.9657, 32.3936, 60.8047



18.2625, 17.8579, 20.7096



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.



42.3879, 35.5174, 46.2169



67.2672, 53.4162, 71.9496



39.7189, 34.4498, 32.1618



11.4741, 11.3184, 13.0314



17.6903, 8.8867, 11.3539



0.9503, 0.4735, 0.7840

Inverse Universe

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



42.3879, 35.5174, 46.2169



67.2672, 53.4162, 71.9496



42.9936, 52.6759, 61.9349



11.4741, 11.3184, 13.0314



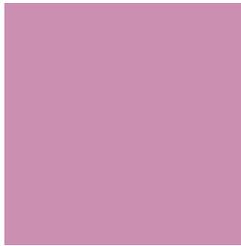
17.6903, 8.8867, 11.3539



0.9503, 0.4735, 0.7840

Previews

White Background



This preview shows how the XYZ color 42.3869, 35.5158, 46.2162 looks on a white background.

Color Contrast Check

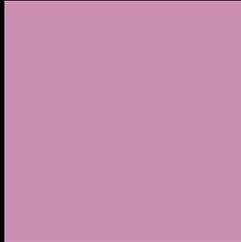
Large Text (above 18pt) WCAG AA × Fail

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 42.3869, 35.5158, 46.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

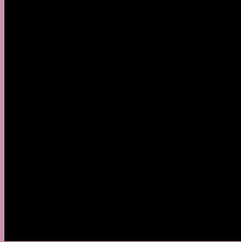
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3869, 35.5158, 46.2162

Background



This preview shows how black text looks on a background with the XYZ color 42.3869, 35.5158, 46.2162.



This preview shows how white text looks on a background with the XYZ color 42.3869, 35.5158,

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

42.3869, 35.5158, 46.2162

Protanopia

35.3582, 35.8404, 52.6313

Deuteranopia

36.4915, 35.8279, 45.0366



Tritanopia

40.5378, 35.4439, 37.0525

Trichromacy



Original Color

42.3869, 35.5158, 46.2162

Protanomaly

37.4409, 35.4561, 50.2178

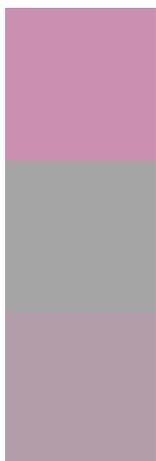
Deuteranomaly

38.4945, 35.6189, 45.4037

Tritanomaly

41.2741, 35.5240, 40.2787

Monochromacy



Original Color

42.3869, 35.5158, 46.2162

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.8088, 36.5622, 42.6006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3869, 35.5158, 46.2162 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(203, 143, 177)` looks like.

```
.text, #text, p{  
    color:rgb(203, 143, 177)  
}
```

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(203, 143, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 143, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.3869, 35.5158, 46.2162 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(203, 143, 177) }
```

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

```
.border{ border-color:rgb(203, 143, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 143, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 143, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 143, 177);  
box-shadow:4px 4px 4px 4px rgb(203, 143,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3869, 35.5158, 46.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 143, 177) }
```

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

```
.background{ background-color: rgb(203,  
143, 177) }
```

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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