

Converting Colors

XYZ(42.1570, 34.9308, 42.3910)

Have a look what the booklet for
XYZ(42.1570, 34.9308, 42.3910)
contains.

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Color

**XYZ(42.2342, 35.0738,
42.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8DAA
RGB	206, 141, 170
RGB Percent	81%, 55%, 67%
CMY	0.1922, 0.4470, 0.3333
CMYK	0.00, 0.32, 0.17, 0.19
HSL	333°, 40%, 68%
HSV	333°, 32%, 81%
XYZ	42.2342, 35.0738, 42.5742
YIQ	163.7410, 29.4310, 22.7990

Conversions

Conversions Part 2

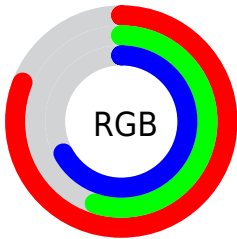
Format	Color
R _Y B	206, 141, 170
Decimal	13536682
CIE Lab	65.81, 28.93, -5.20
CIE LCh	66, 29.396, 349.804
Yxy	35.0738, 0.3523, 0.2926
Android (android.graphics.Color)	4291726762 (0xFFCE8DAA)
YUV	163.7410, 3.0857, 37.0611
Hunter-Lab	59.2231, 23.6544, -1.1661

Details

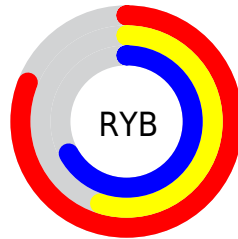
The XYZ color **42.2342, 35.0738, 42.5742** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.9931, 52.9807, 49.6631**, and the grayscale version is **35.1404, 36.9704, 40.2608**.

A 20% lighter version of the original color is **74.3457, 65.7265, 80.0022**, and **19.6887, 15.1996, 19.0357** is the 20% darker color. If you saturate the color by 10%, you get **38.4417, 29.1415, 36.2139**, and if you desaturate by 10%, it is **46.6874, 42.1767, 49.6177**.

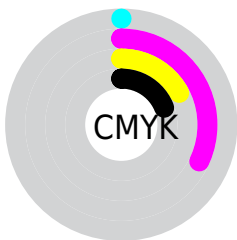
Distribution



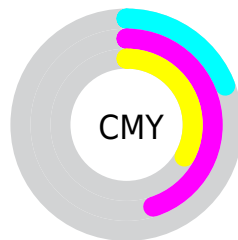
- Red (81%)
- Green (55%)
- Blue (67%)



- Red (81%)
- Yellow (55%)
- Blue (67%)



- Cyan (0%)
- Magenta (32%)
- Yellow (17%)
- Black (19%)





- Cyan (19%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2342, 35.0738, 42.5742 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 42.2342, 35.0738, 42.5742 by changing the saturation by 10% instead.


 42.2342, 35.0738,
42.5742

 42.2342, 35.0738,
42.5742


346.4280,
324.8940, 372.7274


 29.4766, 23.7197,
29.2222


 77.8169, 67.6001,
80.3474

 19.5878, 15.1258,
19.0020


 101.3727, 89.5411,
105.6057

 12.2023, 8.9078,
11.4949


 129.2587,
115.7798, 135.6698

 6.9548, 4.6811,
6.2824

161.8402,
146.7008, 170.9584

 3.4799, 2.0614,
2.9460

199.4825,
182.6882, 211.8898

 1.4123, 0.6428,
1.0671

242.5510,

 0.2650, 0.0000,

224.1267, 258.8828

0.0000

291.4110,
271.4004, 312.3558

■ 0.0000, 0.0000,
0.0000

■ 42.2342, 35.0738,
42.5742

■ 42.2342, 35.0738,
42.5742

■ 38.4417, 29.1415,
36.2139

■ 46.6874, 42.1767,
49.6177

■ 35.2730, 24.3111,
30.5118

■ 51.8294, 50.5041,
57.3639

■ 32.6923, 20.5145,
25.4441

■ 57.6905, 60.1125,
65.8342

■ 30.6585, 17.6738,
20.9843

■ 64.2981, 71.0533,
75.0482

■ 29.1250, 15.6996,
17.1037

■ 71.6782, 83.3753,
85.0249

■ 28.0362, 14.4857,
13.7699

■ 76.7142, 90.8421,
94.7351

■ 27.3813, 13.8929,
11.3411

■ 78.4488, 91.5359,
103.8695

■ 79.2638, 91.8619,
108.1612

Harmonies

Analogous

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



40.1193, 35.0738, 55.7665



42.2342, 35.0738, 42.5742



41.8124, 35.0738, 30.6573

Triad

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



42.2342, 35.0738, 42.5742



30.5909, 35.0738, 19.8409



28.2398, 35.0738, 59.4862

Complementary

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



42.2342, 35.0738, 42.5742



40.9931, 52.9807, 49.6631

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.



26.0913, 35.0738, 46.8640



42.2342, 35.0738, 42.5742



27.3650, 35.0738, 24.7583

Square

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



42.2342, 35.0738, 42.5742



34.8344, 35.0738, 19.1794



25.7856, 35.0738, 34.1165



31.8823, 35.0738, 66.8408

Rectangle

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



42.2342, 35.0738, 42.5742



40.1609, 35.0738, 24.8523



25.7856, 35.0738, 34.1165



27.3328, 35.0738, 55.6054

Sweetspot

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



42.2352, 35.0754, 42.5749



86.1811, 85.4295, 96.1791



38.7414, 32.8255, 62.6871



18.1592, 17.8166, 20.1660



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.



42.2352, 35.0754, 42.5749



64.0653, 49.9804, 61.7322



40.2738, 35.0689, 29.8475



11.4168, 11.2955, 12.7296



16.9077, 8.5737, 7.2326



0.9103, 0.4575, 0.5733

Inverse Universe

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



42.2352, 35.0754, 42.5749



64.0653, 49.9804, 61.7322



43.4232, 52.7138, 66.2792



11.4168, 11.2955, 12.7296



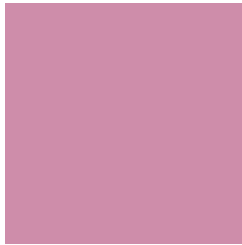
16.9077, 8.5737, 7.2326



0.9103, 0.4575, 0.5733

Previews

White Background



This preview shows how the XYZ color 42.2342, 35.0738, 42.5742 looks on a white background.

Color Contrast Check

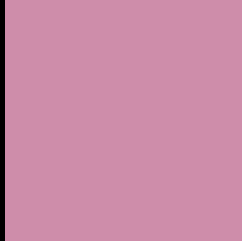
Large Text (above 18pt) WCAG AA × Fail

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 42.2342, 35.0738, 42.5742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

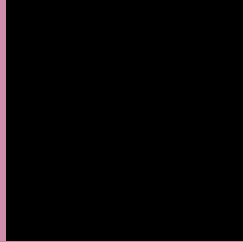
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2342, 35.0738, 42.5742

Background



This preview shows how black text looks on a background with the XYZ color 42.2342, 35.0738, 42.5742.



This preview shows how white text looks on a background with the XYZ color 42.2342, 35.0738,

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

42.2342, 35.0738, 42.5742

Protanopia

34.6433, 35.3006, 48.7039

Deuteranopia

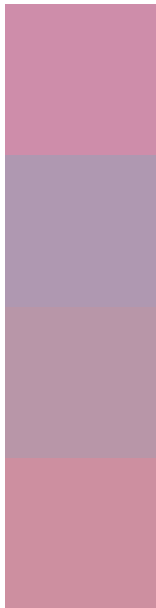
35.7097, 35.0034, 41.4334



Tritanopia

40.7915, 35.1504, 35.6451

Trichromacy



Original Color

42.2342, 35.0738, 42.5742

Protanomaly

36.8432, 34.7448, 46.3595

Deuteranomaly

37.7414, 34.8302, 41.7795

Tritanomaly

41.3445, 35.1621, 37.8656

Monochromacy



Original Color

42.2342, 35.0738, 42.5742

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.3618, 36.1138, 41.0779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2342, 35.0738, 42.5742 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(206, 141, 170)` looks like.

```
.text, #text, p{  
    color:rgb(206, 141, 170)  
}
```

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(206, 141, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 141, 170) }
```

Border

The CSS property to change the border of an element to XYZ 42.2342, 35.0738, 42.5742 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(206, 141, 170) }
```


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

```
.border{ border-color:rgb(206, 141, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 141, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 141, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 141, 170);  
box-shadow:4px 4px 4px 4px rgb(206, 141,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2342, 35.0738, 42.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 141, 170) }
```

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

```
.background{ background-color: rgb(206,  
141, 170) }
```

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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