

Converting Colors

XYZ(42.6288, 34.3764, 57.8153)

Have a look what the booklet for
XYZ(42.6288, 34.3764, 57.8153)
contains.

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Color

**XYZ(42.5702, 34.2599,
57.7952)**

Conversions

Conversions Part 1

Format	Color
Hex	C68AC6
RGB	198, 138, 198
RGB Percent	78%, 54%, 78%
CMY	0.2235, 0.4588, 0.2235
CMYK	0.00, 0.30, 0.00, 0.22
HSL	300°, 34%, 66%
HSV	300°, 30%, 78%
XYZ	42.5702, 34.2599, 57.7952
YIQ	162.7800, 16.5000, 31.3800

Conversions

Conversions Part 2

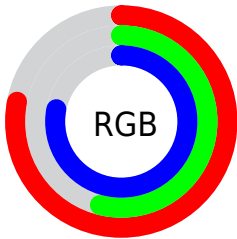
Format	Color
RYB	198, 138, 198
Decimal	13011654
CIELab	65.17, 32.69, -21.99
CIELCh	65, 39.398, 326.073
Yxy	34.2599, 0.3162, 0.2545
Android (android.graphics.Color)	4291201734 (0xFFC68AC6)
YUV	162.7800, 17.3635, 30.8879
Hunter-Lab	58.5320, 27.3918, -17.5713

Details

The XYZ color **42.5702, 34.2599, 57.7952** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2641, 47.6275, 31.3810**, and the grayscale version is **34.6253, 36.4285, 39.6706**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **19.7699, 14.6696, 28.1751** is the 20% darker color. If you saturate the color by 10%, you get **39.9847, 29.0882, 56.9336**, and if you desaturate by 10%, it is **45.6757, 40.4703, 58.8308**.

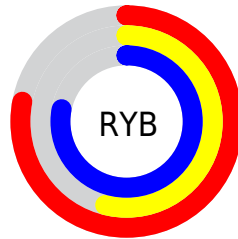
Distribution



Red (78%)

Green (54%)

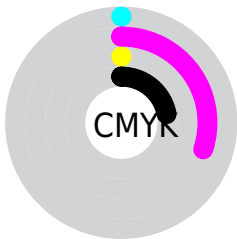
Blue (78%)



Red (78%)

Yellow (54%)

Blue (78%)

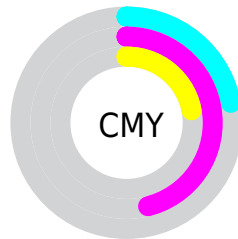


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (46%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5702, 34.2599, 57.7952 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 42.5702, 34.2599, 57.7952 by changing the saturation by 10% instead.


 42.5702, 34.2599,
57.7952


 42.5702, 34.2599,
57.7952

347.7928,
321.2894, 433.9993


 29.7411, 23.0933,
41.2304


 78.3216, 66.3376,
103.1364

 19.7892, 14.6624,
28.1781

 101.9747, 88.0176,
132.7499

 12.3493, 8.5828,
18.2198

 129.9664,
113.9708, 167.5500

 7.0559, 4.4701,
10.9368

162.6622,
144.5816, 207.9553

 3.5437, 1.9398,
5.9107

200.4273,
180.2345, 254.3844

 1.4474, 0.5722,
2.7230

243.6273,

 0.2896, 0.0000,

221.3139, 307.2557

0.9550

292.6273,
268.2040, 366.9878

■ 0.0000, 0.0000,
0.0000

■ 42.5702, 34.2599,
57.7952

■ 42.5702, 34.2599,
57.7952

■ 39.9847, 29.0882,
56.9336

■ 45.6757, 40.4703,
58.8308

■ 37.8877, 24.8944,
56.2346

■ 49.3241, 47.7669,
60.0470

■ 36.2496, 21.6182,
55.6884


■ 53.5405, 56.1998,
61.4526


■ 35.0360, 19.1910,
55.2838

■ 58.3480, 65.8146,
63.0552


■ 34.2077, 17.5344,
55.0076


■ 63.7679, 76.6545,
64.8619


 33.7184, 16.5558,
54.8444

 69.2423, 87.6032,
66.6868

 33.4821, 16.0831,
54.7655

 69.2423, 87.6033,
66.6869

 69.2423, 87.6033,
66.6870

 69.2424, 87.6033,
66.6871

Harmonies

Analogous

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



37.6412, 34.2599, 73.3615



42.5702, 34.2599, 57.7952



44.8170, 34.2599, 39.5029

Triad

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



42.5702, 34.2599, 57.7952



33.3223, 34.2599, 13.8734



23.6476, 34.2599, 52.9340

Complementary

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



42.5702, 34.2599, 57.7952



35.2641, 47.6275, 31.3810

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.



22.7750, 34.2599, 35.1867



42.5702, 34.2599, 57.7952



27.9634, 34.2599, 15.5571

Square

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



42.5702, 34.2599, 57.7952



39.0969, 34.2599, 16.7929



24.2616, 34.2599, 22.3372



26.8009, 34.2599, 70.0263

Rectangle

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



42.5702, 34.2599, 57.7952



44.3187, 34.2599, 29.2430



24.2616, 34.2599, 22.3372



23.0949, 34.2599, 46.7231

Sweetspot

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



42.5713, 34.2614, 57.7959



88.1607, 86.2214, 106.6034



29.7642, 27.6591, 57.1969



18.6488, 18.0124, 22.7438



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.



42.5713, 34.2614, 57.7959



72.4226, 54.7454, 101.3569



39.4463, 33.0114, 41.3400



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Inverse Universe

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



42.5713, 34.2614, 57.7959



72.4226, 54.7454, 101.3569



37.7445, 48.6197, 44.4424



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 42.5702, 34.2599, 57.7952 looks on a white background.

Color Contrast Check

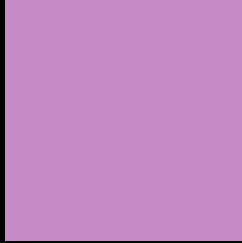
Large Text (above 18pt) WCAG AA × Fail

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 42.5702, 34.2599, 57.7952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

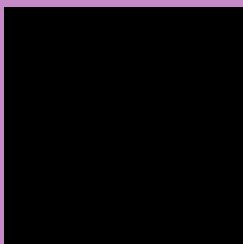
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5702, 34.2599, 57.7952

Background



This preview shows how black text looks on a background with the XYZ color 42.5702, 34.2599, 57.7952.



This preview shows how white text looks on a background with the XYZ color 42.5702, 34.2599,

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

42.5702, 34.2599, 57.7952

Protanopia

35.1425, 34.6567, 66.4652

Deuteranopia

35.2820, 34.4507, 56.4199



Tritanopia

38.1029, 34.1986, 36.4910

Trichromacy



Original Color

42.5702, 34.2599, 57.7952

Protanomaly

37.1512, 34.0555, 63.0078

Deuteranomaly

37.5058, 34.1383, 56.8371

Tritanomaly

39.5170, 34.0928, 43.5275

Monochromacy



Original Color

42.5702, 34.2599, 57.7952

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.2966, 35.4759, 45.9561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5702, 34.2599, 57.7952 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(198, 138, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 138, 198)  
}
```

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(198, 138, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 138, 198) }
```

Border

The CSS property to change the border of an element to XYZ 42.5702, 34.2599, 57.7952 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(198, 138, 198) }
```


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

```
.border{ border-color:rgb(198, 138, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 138, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 138, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 138, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 138,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5702, 34.2599, 57.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 138, 198) }
```

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

```
.background{ background-color: rgb(198,  
138, 198) }
```

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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