

Converting Colors

XYZ(42.7149, 38.8049, 57.2271)

Have a look what the booklet for
XYZ(42.7149, 38.8049, 57.2271)
contains.

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Color

**XYZ(42.7598, 38.7908,
57.4582)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9DC4
RGB	188, 157, 196
RGB Percent	74%, 62%, 77%
CMY	0.2627, 0.3843, 0.2314
CMYK	0.04, 0.20, 0.00, 0.23
HSL	288°, 25%, 69%
HSV	288°, 20%, 77%
XYZ	42.7598, 38.7908, 57.4582
YIQ	170.7150, 5.9570, 18.7010

Conversions

Conversions Part 2

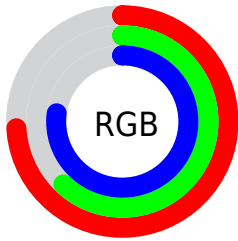
Format	Color
RYB	188, 157, 196
Decimal	12361156
CIELab	68.60, 18.47, -15.76
CIELCh	69, 24.277, 319.526
Yxy	38.7908, 0.3076, 0.2791
Android (android.graphics.Color)	4290551236 (0xFFBC9DC4)
YUV	170.7150, 12.4655, 15.1589
Hunter-Lab	62.2823, 13.5550, -11.1001

Details

The XYZ color **42.7598, 38.7908, 57.4582** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3441, 49.9144, 39.3555**, and the grayscale version is **38.5041, 40.5094, 44.1147**.

A 20% lighter version of the original color is **78.5813, 73.4119, 102.9567**, and **19.8680, 17.3294, 27.8889** is the 20% darker color. If you saturate the color by 10%, you get **38.7297, 32.1800, 56.3952**, and if you desaturate by 10%, it is **47.3518, 46.4831, 58.7015**.

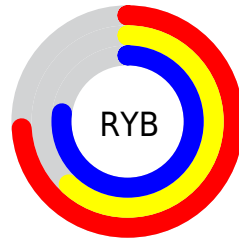
Distribution



Red (74%)

Green (62%)

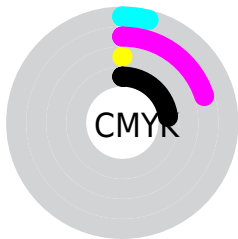
Blue (77%)



Red (74%)

Yellow (62%)

Blue (77%)

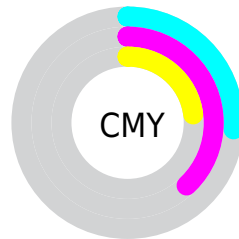


Cyan (4%)

Magenta (20%)

Yellow (0%)

Black (23%)



Cyan (26%)


Magenta (38%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7598, 38.7908, 57.4582 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 42.7598, 38.7908, 57.4582 by changing the saturation by 10% instead.


 42.7598, 38.7908,
57.4582


 42.7598, 38.7908,
57.4582


348.5613,
341.0002, 432.7058

 29.8904, 26.5970,
40.9614


 78.6062, 73.3186,
102.6404

 19.9031, 17.2708,
27.9695


 102.3140, 96.4215,
132.1629

 12.4325, 10.4278,
18.0638


130.3652,
123.9294, 166.8644

 7.1132, 5.6835,
10.8259

163.1253,
156.2269, 207.1635

 3.5800, 2.6536,
5.8372

200.9596,
193.6984, 253.4786

 1.4674, 0.9537,
2.6791

244.2335,

 0.3035, 0.0000,

236.7282, 306.2283

0.9329

293.3122,
285.7006, 365.8312

■ 0.0000, 0.0000,
0.0000

■ 42.7598, 38.7908,
57.4582

■ 42.7598, 38.7908,
57.4582

■ 38.7297, 32.1800,
56.3952

■ 47.3518, 46.4831,
58.7015

■ 35.2324, 26.5948,
55.5015

■ 52.5260, 55.2991,
60.1305

■ 32.2416, 21.9822,
54.7688

■ 58.3060, 65.2852,
61.7533

■ 29.7269, 18.2820,
54.1871

■ 64.7130, 76.4833,
63.5771

■ 27.6549, 15.4276,
53.7453

■ 71.7657, 88.9306,
65.6080

■ 25.9874, 13.3428,
53.4308

■ 72.9113, 89.5212,
65.6616

■ 24.6793, 11.9379,
53.2286

■ 74.0858, 90.1267,
65.7165

■ 23.6449, 11.0416,
53.1101

■ 75.2894, 90.7471,
65.7729

■ 23.6346, 11.0331,
53.1090

■ 76.5223, 91.3827,
65.8306

Harmonies

Analogous

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



39.3860, 38.7908, 65.3947



42.7598, 38.7908, 57.4582



44.5952, 38.7908, 46.1875

Triad

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



42.7598, 38.7908, 57.4582



38.2244, 38.7908, 24.7072



30.3554, 38.7908, 49.6851

Complementary

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



42.7598, 38.7908, 57.4582



41.3441, 49.9144, 39.3555

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.



30.0919, 38.7908, 38.5176



42.7598, 38.7908, 57.4582



34.4625, 38.7908, 25.3147

Square

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



42.7598, 38.7908, 57.4582



41.8590, 38.7908, 28.1390



31.5466, 38.7908, 29.9729



32.2931, 38.7908, 60.3968

Rectangle

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



42.7598, 38.7908, 57.4582



44.6192, 38.7908, 38.8414



31.5466, 38.7908, 29.9729



30.0735, 38.7908, 45.8240

Sweetspot

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



42.7610, 38.7925, 57.4590



89.2166, 90.0333, 107.2837



37.4064, 38.2282, 57.6324



18.9653, 19.0486, 22.9271



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.



42.7610, 38.7925, 57.4590



74.0685, 64.6709, 103.1866



43.5747, 39.3520, 51.1713



10.2884, 10.1398, 12.6998



15.2586, 7.1265, 34.1280



0.7116, 0.3349, 1.4770

Inverse Universe

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



41.6147, 38.5680, 40.8501



71.6709, 64.2281, 67.2380



40.7184, 49.4779, 44.4759



10.1558, 10.1109, 10.9111



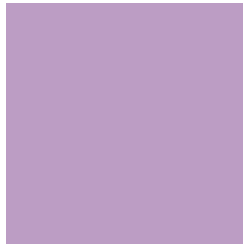
14.9014, 7.6503, 2.1268



0.6693, 0.3407, 0.2258

Previews

White Background



This preview shows how the XYZ color 42.7598, 38.7908, 57.4582 looks on a white background.

Color Contrast Check

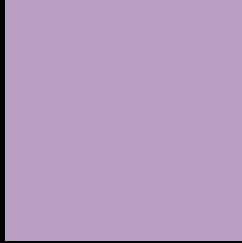
Large Text (above 18pt) WCAG AA × Fail

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 42.7598, 38.7908, 57.4582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

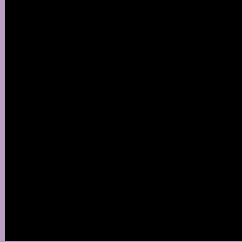
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7598, 38.7908, 57.4582

Background



This preview shows how black text looks on a background with the XYZ color 42.7598, 38.7908, 57.4582.



This preview shows how white text looks on a background with the XYZ color 42.7598, 38.7908,

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

42.7598, 38.7908, 57.4582

Protanopia

38.7941, 39.0103, 61.3622

Deuteranopia

39.7421, 38.7924, 57.0228



Tritanopia

40.3924, 38.8600, 45.4162

Trichromacy



Original Color

42.7598, 38.7908, 57.4582

Protanomaly

40.1001, 38.9106, 60.0406

Deuteranomaly

40.7267, 38.7770, 56.9679

Tritanomaly

41.2640, 38.9581, 49.6008

Monochromacy



Original Color

42.7598, 38.7908, 57.4582

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.0059, 39.9148, 48.7758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7598, 38.7908, 57.4582 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(188, 157, 196)` looks like.

```
.text, #text, p{  
    color:rgb(188, 157, 196)  
}
```

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(188, 157, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 157, 196) }
```

Border

The CSS property to change the border of an element to XYZ 42.7598, 38.7908, 57.4582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

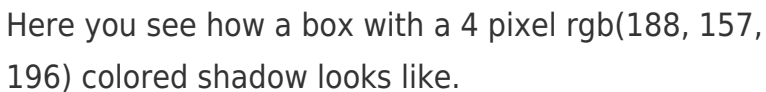
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 157, 196) }
```


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

```
.border{ border-color:rgb(188, 157, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 157, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 157, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 157, 196);  
box-shadow:4px 4px 4px 4px rgb(188, 157,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7598, 38.7908, 57.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 157, 196) }
```

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

```
.background{ background-color: rgb(188,  
157, 196) }
```

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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