

# Converting Colors

XYZ(42.8936, 38.5615, 52.5820)

Have a look what the booklet for  
XYZ(42.8936, 38.5615, 52.5820)  
contains.

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# Color

**XYZ(42.7908, 38.4110,  
52.7357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C19BBC
RGB	193, 155, 188
RGB Percent	76%, 61%, 74%
CMY	0.2431, 0.3921, 0.2627
CMYK	0.00, 0.20, 0.03, 0.24
HSL	308°, 23%, 68%
HSV	308°, 20%, 76%
XYZ	42.7908, 38.4110, 52.7357
YIQ	170.1240, 12.0550, 18.3190

# Conversions

## Conversions Part 2

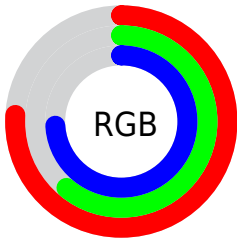
Format	Color
R <sub>Y</sub> B	193, 155, 188
Decimal	12688316
CIE Lab	68.32, 19.75, -11.68
CIE LCh	68, 22.950, 329.404
Yxy	38.4110, 0.3195, 0.2868
Android (android.graphics.Color)	4290878396 (0xFFC19BBC)
YUV	170.1240, 8.8129, 20.0623
Hunter-Lab	61.9766, 14.7835, -7.0660

# Details

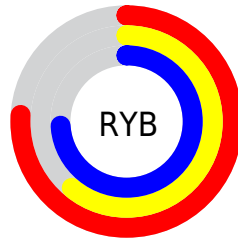
The XYZ color **42.7908, 38.4110, 52.7357** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.9343, 47.6477, 40.4048**, and the grayscale version is **38.2245, 40.2151, 43.7943**.

A 20% lighter version of the original color is **78.8001, 72.9488, 95.5153**, and **19.9709, 17.1389, 25.1772** is the 20% darker color. If you saturate the color by 10%, you get **39.5610, 32.3851, 50.3204**, and if you desaturate by 10%, it is **46.5411, 45.4690, 55.3491**.

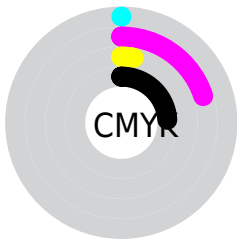
# Distribution



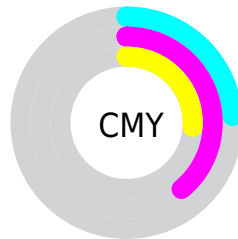
- Red (76%)
- Green (61%)
- Blue (74%)



- Red (76%)
- Yellow (61%)
- Blue (74%)



- Cyan (0%)
- Magenta (20%)
- Yellow (3%)
- Black (24%)




- Cyan (24%)
- Magenta (39%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7908, 38.4110, 52.7357 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 42.7908, 38.4110, 52.7357 by changing the saturation by 10% instead.





 42.7908, 38.4110,  
52.7357

 42.7908, 38.4110,  
52.7357


348.6868,  
339.3798, 414.3078

 29.9148, 26.3018,  
37.2055


 78.6528, 72.7377,  
95.6529

 19.9217, 17.0496,  
25.0696


 102.3694, 95.7239,  
123.8771

 12.4461, 10.2698,  
15.9095


130.4304,  
123.1047, 157.1697

 7.1226, 5.5782,  
9.3064

163.2010,  
155.2644, 195.9492

 3.5859, 2.5904,  
4.8421

201.0466,  
192.5873, 240.6343

 1.4706, 0.9218,  
2.0978

244.3325,

 0.3057, 0.0000,

235.4579, 291.6433

0.6144

293.4242,  
284.2606, 349.3950

■ 0.0000, 0.0000,  
0.0000

■ 42.7908, 38.4110,  
52.7357

■ 42.7908, 38.4110,  
52.7357

■ 39.5610, 32.3851,  
50.3204

■ 46.5411, 45.4690,  
55.3491

■ 36.8238, 27.3374,  
48.0926

■ 50.8312, 53.5993,  
58.1659

■ 34.5541, 23.2171,  
46.0442

■ 55.6836, 62.8465,  
61.1942

■ 32.7231, 19.9666,  
44.1653

■ 61.1186, 73.2509,  
64.4407

■ 31.2988, 17.5218,  
42.4454

■ 67.1552, 84.8510,  
67.9121

■ 30.2447, 15.8100,  
40.8720

■ 68.5608, 87.1809,  
69.8642

■ 29.5178, 14.7452,  
39.4307

■ 68.8665, 87.3032,  
71.4741

■ 29.0375, 14.1660,  
38.0946

■ 69.1772, 87.4275,  
73.1103

■ 29.0236, 14.1500,  
38.0535

■ 69.4930, 87.5537,  
74.7728

# Harmonies

## Analogous

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



40.0102, 38.4110, 61.5594



42.7908, 38.4110, 52.7357



43.8697, 38.4110, 42.0295

# Triad

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



42.7908, 38.4110, 52.7357



36.5805, 38.4110, 24.9797



30.8090, 38.4110, 52.3202

# Complementary

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



42.7908, 38.4110, 52.7357



38.9343, 47.6477, 40.4048

# 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.



30.0206, 38.4110, 41.6173



42.7908, 38.4110, 52.7357



33.2173, 38.4110, 26.8325

# Square

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



42.7908, 38.4110, 52.7357



40.1428, 38.4110, 26.9861



30.8733, 38.4110, 32.5303



33.1004, 38.4110, 61.2931



# Rectangle

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



42.7908, 38.4110, 52.7357



43.4276, 38.4110, 35.5820



30.8733, 38.4110, 32.5303



30.3664, 38.4110, 48.7542

# Sweetspot

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



42.7919, 38.4127, 52.7365



86.0019, 86.4411, 100.8994



35.7329, 34.7102, 55.2693



18.3444, 18.3441, 21.5761



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7919, 38.4127, 52.7365



73.8136, 63.5108, 92.3785



40.9298, 37.6678, 42.9306



10.4384, 10.2240, 12.3992



19.3250, 9.4197, 25.4211



0.8512, 0.4135, 1.1836



# Inverse Universe

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



42.7919, 38.4127, 52.7365



73.8136, 63.5108, 92.3785



40.6684, 48.3414, 49.5367



10.4384, 10.2240, 12.3992



19.3250, 9.4197, 25.4211

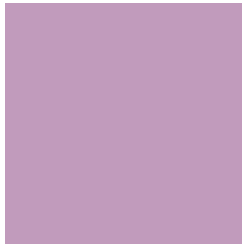


0.8512, 0.4135, 1.1836



# Previews

## White Background



This preview shows how the XYZ color 42.7908, 38.4110, 52.7357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

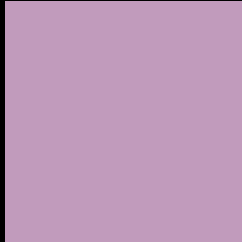
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7908, 38.4110, 52.7357 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

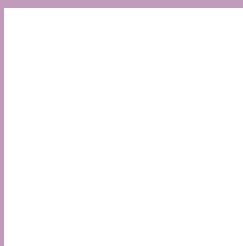
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.7908, 38.4110, 52.7357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7908, 38.4110, 52.7357.



This preview shows how white text looks on a background with the XYZ color 42.7908, 38.4110,



# 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

42.7908, 38.4110, 52.7357

### Protanopia

38.0034, 38.4275, 57.0440

### Deuteranopia

39.3455, 38.4272, 52.3572



## Tritanopia

40.9684, 38.4324, 43.2891

# Trichromacy



## Original Color

42.7908, 38.4110, 52.7357

## Protanomaly

39.4929, 38.1797, 55.1571

## Deuteranomaly

40.4238, 38.2079, 52.2580

## Tritanomaly

41.7310, 38.4947, 46.8257

# Monochromacy



## Original Color

42.7908, 38.4110, 52.7357

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.7510, 39.5496, 47.1337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7908, 38.4110, 52.7357 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(193, 155, 188)` looks like.

```
.text, #text, p{  
    color:rgb(193, 155, 188)  
}
```

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(193, 155, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 155, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7908, 38.4110, 52.7357 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(193, 155, 188) }
```



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

```
.border{ border-color:rgb(193, 155, 188) }
```

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

Here you see how a box with a 4 pixel rgb(193, 155, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 155, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 155, 188);  
box-shadow:4px 4px 4px 4px rgb(193, 155,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7908, 38.4110, 52.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 155, 188) }
```

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

```
.background{ background-color: rgb(193,  
155, 188) }
```

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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