

# Converting Colors

XYZ(42.8295, 37.7682, 52.6776)

Have a look what the booklet for  
XYZ(42.8295, 37.7682, 52.6776)  
contains.

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# Color

**XYZ(42.8110, 37.6894,  
52.5954)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C398BC
RGB	195, 152, 188
RGB Percent	76%, 60%, 74%
CMY	0.2353, 0.4039, 0.2627
CMYK	0.00, 0.22, 0.04, 0.24
HSL	310°, 26%, 68%
HSV	310°, 22%, 76%
XYZ	42.8110, 37.6894, 52.5954
YIQ	168.9610, 14.0720, 20.3120

# Conversions

## Conversions Part 2

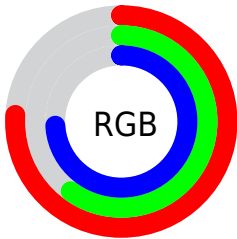
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 152, 188
Decimal	12818620
CIE <sub>Lab</sub>	67.79, 22.11, -12.46
CIE <sub>LCh</sub>	68, 25.374, 330.596
Yxy	37.6894, 0.3217, 0.2832
Android (android.graphics.Color)	4291008700 (0xFFC398BC)
YUV	168.9610, 9.3862, 22.8362
Hunter-Lab	61.3917, 17.0401, -7.8207

# Details

The XYZ color **42.8110, 37.6894, 52.5954** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.7235, 48.2099, 40.0674**, and the grayscale version is **37.6439, 39.6043, 43.1291**.

A 20% lighter version of the original color is **78.7868, 71.8527, 95.3044**, and **20.0114, 16.7194, 25.0941** is the 20% darker color. If you saturate the color by 10%, you get **39.5644, 31.7374, 49.8435**, and if you desaturate by 10%, it is **46.5877, 44.6884, 55.5620**.

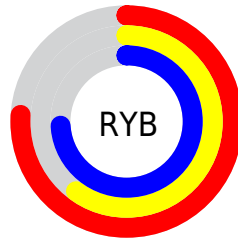
# Distribution



Red (76%)

Green (60%)

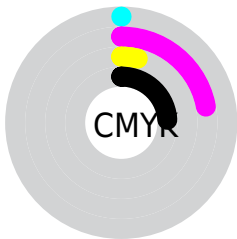
Blue (74%)



Red (76%)

Yellow (60%)

Blue (74%)

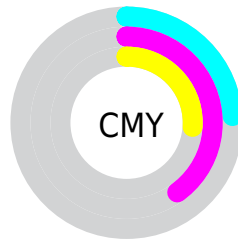


Cyan (0%)

Magenta (22%)

Yellow (4%)

Black (24%)



Cyan (24%)

Magenta (40%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8110, 37.6894, 52.5954 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 42.8110, 37.6894, 52.5954 by changing the saturation by 10% instead.





 42.8110, 37.6894,  
52.5954


 42.8110, 37.6894,  
52.5954

348.7686,  
336.2857, 413.7531

 29.9307, 25.7417,  
37.0944


 78.6831, 71.6318,  
95.4442

 19.9338, 16.6305,  
24.9842


 102.4056, 94.3953,  
123.6291

 12.4549, 9.9714,  
15.8464

130.4729,  
121.5329, 156.8791

 7.1287, 5.3800,  
9.2623

163.2503,  
153.4290, 195.6126

 3.5898, 2.4719,  
4.8135

201.1032,  
190.4679, 240.2482

 1.4728, 0.8625,  
2.0815

244.3970,

 0.3072, 0.0000,

233.0340, 291.2044

0.6047

293.4971,  
281.5119, 348.8999

■ 0.0000, 0.0000,  
0.0000

■ 42.8110, 37.6894,  
52.5954

■ 42.8110, 37.6894,  
52.5954

■ 39.5644, 31.7374,  
49.8435

■ 46.5877, 44.6884,  
55.5620

■ 36.8191, 26.7765,  
47.2953

■ 50.9148, 52.7767,  
58.7490

■ 34.5486, 22.7533,  
44.9419

■ 55.8157, 62.0004,  
62.1648

■ 32.7226, 19.6074,  
42.7732

■ 61.3115, 72.4015,  
65.8168

■ 31.3074, 17.2712,  
40.7776

■ 67.4220, 84.0198,  
69.7118

■ 30.2641, 15.6673,  
38.9419

■ 69.5345, 87.6296,  
72.3124

■ 29.5466, 14.7033,  
37.2505

■ 69.9267, 87.7866,  
74.3781

■ 29.1396, 14.2557,  
35.9856

■ 70.3269, 87.9466,  
76.4852

■ 70.7349, 88.1098,  
78.6338

# Harmonies

## Analogous

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



39.8046, 37.6894, 62.6059



42.8110, 37.6894, 52.5954



43.9152, 37.6894, 40.8129

# Triad

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



42.8110, 37.6894, 52.5954



35.7442, 37.6894, 22.9905



29.7087, 37.6894, 53.0563

# Complementary

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



42.8110, 37.6894, 52.5954



38.7235, 48.2099, 40.0674

# 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.



28.7908, 37.6894, 41.2626



42.8110, 37.6894, 52.5954



32.1155, 37.6894, 25.0967

# Square

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



42.8110, 37.6894, 52.5954



39.6589, 37.6894, 24.9351



29.6394, 37.6894, 31.3102



32.2421, 37.6894, 62.9044



# Rectangle

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



42.8110, 37.6894, 52.5954



43.3653, 37.6894, 33.8912



29.6394, 37.6894, 31.3102



29.2096, 37.6894, 49.1235

# Sweetspot

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



42.8121, 37.6911, 52.5962



87.1414, 86.9448, 102.2810



35.2694, 33.7133, 56.2788



18.9789, 18.8453, 22.3216



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.



42.8121, 37.6911, 52.5962



74.0303, 62.6376, 92.0071



40.7149, 36.8522, 41.5523



10.4246, 10.2184, 12.3264



18.9652, 9.2758, 23.5267



0.8387, 0.4085, 1.1178



# Inverse Universe

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



42.8121, 37.6911, 52.5962



74.0303, 62.6376, 92.0071



40.6984, 48.9999, 50.4674



10.4246, 10.2184, 12.3264



18.9652, 9.2758, 23.5267

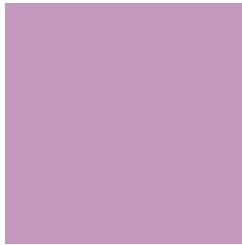


0.8387, 0.4085, 1.1178



# Previews

## White Background



This preview shows how the XYZ color 42.8110, 37.6894, 52.5954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

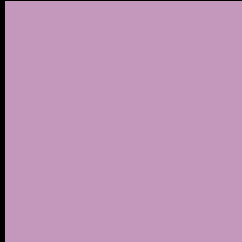
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.8110, 37.6894, 52.5954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

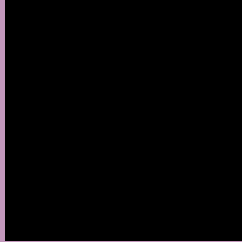
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 42.8110, 37.6894, 52.5954

## Background



This preview shows how black text looks on a background with the XYZ color 42.8110, 37.6894, 52.5954.



This preview shows how white text looks on a background with the XYZ color 42.8110, 37.6894,



# 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

42.8110, 37.6894, 52.5954

### Protanopia

37.5373, 37.9074, 57.5630

### Deuteranopia

38.6211, 37.8056, 51.7160



## Tritanopia

40.6946, 37.8106, 42.1991

# Trichromacy



## Original Color

42.8110, 37.6894, 52.5954

## Protanomaly

39.2097, 37.7625, 55.6744

## Deuteranomaly

40.0189, 37.7449, 52.1900

## Tritanomaly

41.4515, 37.8753, 45.6834

# Monochromacy



## Original Color

42.8110, 37.6894, 52.5954

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

39.2938, 38.7940, 46.4913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8110, 37.6894, 52.5954 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(195, 152, 188)` looks like.

```
.text, #text, p{  
    color:rgb(195, 152, 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(195, 152, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 152, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8110, 37.6894, 52.5954 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(195, 152, 188) }
```



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

```
.border{ border-color:rgb(195, 152, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 152, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 152, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 152, 188);  
box-shadow:4px 4px 4px 4px rgb(195, 152,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8110, 37.6894, 52.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 152, 188) }
```

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

```
.background{ background-color: rgb(195,  
152, 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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