

# Converting Colors

XYZ(44.5820, 38.7406, 59.0999)

Have a look what the booklet for  
XYZ(44.5820, 38.7406, 59.0999)  
contains.

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# Color

**XYZ(44.4650, 38.6417,  
59.1479)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C499C7
RGB	196, 153, 199
RGB Percent	77%, 60%, 78%
CMY	0.2314, 0.4000, 0.2196
CMYK	0.02, 0.23, 0.00, 0.22
HSL	296°, 29%, 69%
HSV	296°, 23%, 78%
XYZ	44.4650, 38.6417, 59.1479
YIQ	171.1010, 10.8620, 23.4220

# Conversions

## Conversions Part 2

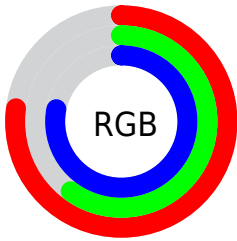
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	196, 153, 199
Decimal	12884423
CIE <sub>Lab</sub>	68.49, 23.96, -17.51
CIE <sub>LCh</sub>	68, 29.681, 323.836
Yxy	38.6417, 0.3126, 0.2716
Android (android.graphics.Color)	4291074503 (0xFFC499C7)
YUV	171.1010, 13.7542, 21.8364
Hunter-Lab	62.1624, 18.8973, -12.9010

# Details

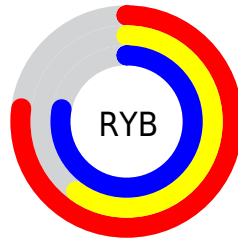
The XYZ color **44.4650, 38.6417, 59.1479** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8848, 50.2156, 37.7292**, and the grayscale version is **38.6896, 40.7045, 44.3272**.

A 20% lighter version of the original color is **81.1139, 73.2144, 104.4644**, and **21.0175, 17.2979, 29.0191** is the 20% darker color. If you saturate the color by 10%, you get **41.1399, 32.4898, 58.1363**, and if you desaturate by 10%, it is **48.3385, 45.8848, 60.3424**.

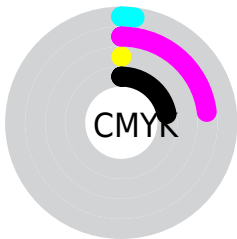
# Distribution



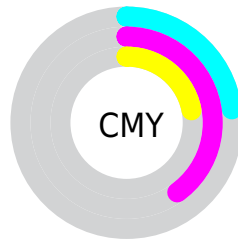
- Red (77%)
- Green (60%)
- Blue (78%)



- Red (77%)
- Yellow (60%)
- Blue (78%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)




- Cyan (23%)
- Magenta (40%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4650, 38.6417, 59.1479 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 44.4650, 38.6417, 59.1479 by changing the saturation by 10% instead.





 44.4650, 38.6417,  
59.1479


 44.4650, 38.6417,  
59.1479


355.4227,  
340.3647, 439.1669

 31.2357, 26.4811,  
42.3114

 81.1590, 73.0906,  
105.1238

 20.9311, 17.1839,  
29.0178


 105.3545, 96.1478,  
135.1003

 13.1858, 10.3657,  
18.8486


133.9360,  
123.6059, 170.2939

 7.6345, 5.6421,  
11.3852

167.2690,  
155.8493, 211.1231

 3.9118, 2.6287,  
6.2092

205.7188,  
193.2626, 258.0065

 1.6524, 0.9411,  
2.9018

249.6508,

 0.4262, 0.0000,

236.2299, 311.3625

1.0447

299.4303,  
285.1359, 371.6098

■ 0.0000, 0.0000,  
0.0000

■ 44.4650, 38.6417,  
59.1479

■ 44.4650, 38.6417,  
59.1479

■ 41.1399, 32.4898,  
58.1363

■ 48.3385, 45.8848,  
60.3424

■ 38.3328, 27.3703,  
57.2961

■ 52.7820, 54.2641,  
61.7255

■ 36.0157, 23.2264,  
56.6183

■ 57.8202, 63.8284,  
63.3061

■ 34.1564, 19.9937,  
56.0924

■ 63.4751, 74.6219,  
65.0914

■ 32.7189, 17.6005,  
55.7062

■ 69.7680, 86.6868,  
67.0885

■ 31.6618, 15.9638,  
55.4460

■ 70.9126, 88.4510,  
67.3687

■ 30.9354, 14.9842,  
55.2952

■ 71.2693, 88.6348,  
67.3854

■ 30.5645, 14.5657,  
55.2340

■ 71.6290, 88.8203,  
67.4022

■ 71.9917, 89.0072,  
67.4192

# Harmonies

## Analogous

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



40.4776, 38.6417, 70.2549



44.4650, 38.6417, 59.1479



46.3987, 38.6417, 44.8965

# Triad

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



44.4650, 38.6417, 59.1479



37.7004, 38.6417, 21.3350



29.1110, 38.6417, 53.3466

# Complementary

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



44.4650, 38.6417, 59.1479



39.8848, 50.2156, 37.7292

# 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.



28.5037, 38.6417, 39.3729



44.4650, 38.6417, 59.1479



33.2170, 38.6417, 22.6620

# Square

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



44.4650, 38.6417, 59.1479



42.2857, 38.6417, 24.5396



29.9446, 38.6417, 28.6498



31.6795, 38.6417, 66.4396



# Rectangle

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



44.4650, 38.6417, 59.1479



46.1553, 38.6417, 36.2188



29.9446, 38.6417, 28.6498



28.6803, 38.6417, 48.5291

# Sweetspot

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



44.4662, 38.6434, 59.1487



89.1907, 88.9152, 107.0692



35.3469, 34.6969, 58.8676



18.9876, 18.8373, 22.8852



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.



44.4662, 38.6434, 59.1487



74.6552, 61.7226, 102.5866



43.0890, 38.1836, 47.7836



11.0122, 10.7801, 13.4178



19.6823, 9.3809, 35.5177



0.9530, 0.4551, 1.6827



# Inverse Universe

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



40.9464, 37.3265, 36.5007



67.4022, 59.0169, 55.5607



41.0980, 50.6347, 47.1102



10.6615, 10.6480, 11.2005



15.2036, 7.8310, 1.0161



0.7299, 0.3748, 0.1007



# Previews

## White Background



This preview shows how the XYZ color 44.4650, 38.6417, 59.1479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

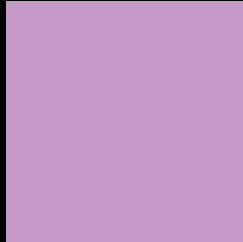
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4650, 38.6417, 59.1479 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 44.4650, 38.6417, 59.1479**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4650, 38.6417, 59.1479.



This preview shows how white text looks on a background with the XYZ color 44.4650, 38.6417,



# 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

44.4650, 38.6417, 59.1479

### Protanopia

38.9260, 38.9946, 65.1496

### Deuteranopia

39.5374, 38.6606, 58.2017



## Tritanopia

41.3158, 38.6005, 43.8011

# Trichromacy



## Original Color

44.4650, 38.6417, 59.1479

## Protanomaly

40.5589, 38.5554, 63.0619

## Deuteranomaly

41.1816, 38.4572, 58.6786

## Tritanomaly

42.2213, 38.4506, 48.9125

# Monochromacy



## Original Color

44.4650, 38.6417, 59.1479

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

40.4383, 39.5904, 49.2264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4650, 38.6417, 59.1479 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(196, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(196, 153, 199)  
}
```

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(196, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 153, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4650, 38.6417, 59.1479 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(196, 153, 199) }
```



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

```
.border{ border-color:rgb(196, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(196, 153,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4650, 38.6417, 59.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 153, 199) }
```

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

```
.background{ background-color: rgb(196,  
153, 199) }
```

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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