

# Converting Colors

XYZ(45.9779, 39.7463, 50.5979)

Have a look what the booklet for  
XYZ(45.9779, 39.7463, 50.5979)  
contains.

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# Color

**XYZ(45.9395, 39.8373,  
50.6155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF9AB8
RGB	207, 154, 184
RGB Percent	81%, 60%, 72%
CMY	0.1882, 0.3961, 0.2784
CMYK	0.00, 0.26, 0.11, 0.19
HSL	326°, 36%, 71%
HSV	326°, 26%, 81%
XYZ	45.9395, 39.8373, 50.6155
YIQ	173.2670, 21.9580, 20.5660

# Conversions

## Conversions Part 2

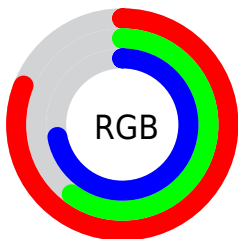
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 154, 184
Decimal	13605560
CIE Lab	69.35, 24.49, -7.77
CIE LCh	69, 25.691, 342.397
Yxy	39.8373, 0.3368, 0.2921
Android (android.graphics.Color)	4291795640 (0xFFCF9AB8)
YUV	173.2670, 5.2914, 29.5838
Hunter-Lab	63.1168, 19.4667, -3.3649

# Details

The XYZ color **45.9395, 39.8373, 50.6155** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5767, 54.6712, 49.8534**, and the grayscale version is **39.8237, 41.8976, 45.6265**.

A 20% lighter version of the original color is **79.7686, 73.1522, 92.3536**, and **21.7970, 17.8168, 23.7629** is the 20% darker color. If you saturate the color by 10%, you get **41.9013, 33.2200, 44.7700**, and if you desaturate by 10%, it is **50.6290, 47.6603, 56.9741**.

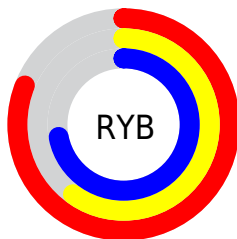
# Distribution



Red (81%)

Green (60%)

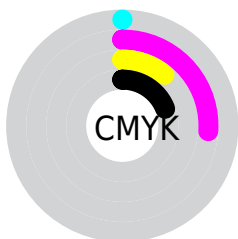
Blue (72%)



Red (81%)

Yellow (60%)

Blue (72%)

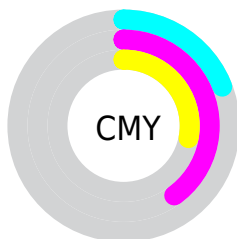


Cyan (0%)

Magenta (26%)

Yellow (11%)

Black (19%)



Cyan (19%)

Magenta (40%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9395, 39.8373, 50.6155 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 45.9395, 39.8373, 50.6155 by changing the saturation by 10% instead.





 45.9395, 39.8373,  
50.6155


 45.9395, 39.8373,  
50.6155


361.2854,  
345.4373, 405.8719

 32.4025, 27.4117,  
35.5281


 83.3569, 74.9157,  
92.4918

 21.8262, 17.8827,  
23.7832


 107.9679, 98.3373,  
120.1179

 13.8451, 10.8658,  
14.9621


137.0011,  
126.1930, 152.7605

 8.0940, 5.9767,  
8.6465

170.8217,  
158.8673, 190.8383

 4.2075, 2.8309,  
4.4177

209.7950,  
196.7444, 234.7698

 1.8202, 1.0441,  
1.8572

254.2865,

 0.5298, 0.0000,

240.2089, 284.9735

0.4653

304.6615,  
289.6451, 341.8680

■ 0.0000, 0.0000,  
0.0000

■ 45.9395, 39.8373,  
50.6155

■ 45.9395, 39.8373,  
50.6155

■ 41.9013, 33.2200,  
44.7700

■ 50.6290, 47.6603,  
56.9741

■ 38.4796, 27.7422,  
39.4192

■ 55.9954, 56.7403,  
63.8582

■ 35.6414, 23.3393,  
34.5470

■ 62.0671, 67.1320,  
71.2831

■ 33.3492, 19.9383,  
30.1352

■ 68.8700, 78.8851,  
79.2622

■ 31.5609, 17.4566,  
26.1637

■ 75.6241, 90.4382,  
87.5405

■ 30.2276, 15.7986,  
22.6101

■ 76.9108, 90.9529,  
94.3166

■ 29.2895, 14.8465,  
19.4481

■ 78.2635, 91.4940,  
101.4396

■ 28.9529, 14.5538,  
18.1633

■ 79.5424, 92.0056,  
108.1743

# Harmonies

## Analogous

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



43.4684, 39.8373, 62.4088



45.9395, 39.8373, 50.6155



46.1520, 39.8373, 38.6795

# Triad

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



45.9395, 39.8373, 50.6155



36.1866, 39.8373, 24.7563



32.3031, 39.8373, 60.5675

# Complementary

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



45.9395, 39.8373, 50.6155



43.5767, 54.6712, 49.8534

# 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.



30.6331, 39.8373, 48.4382



45.9395, 39.8373, 50.6155



32.7636, 39.8373, 28.6692

# Square

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



45.9395, 39.8373, 50.6155



40.3141, 39.8373, 25.1256



30.7954, 39.8373, 36.8621



35.5155, 39.8373, 68.8331



# Rectangle

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



45.9395, 39.8373, 50.6155



44.9646, 39.8373, 32.3074



30.7954, 39.8373, 36.8621



31.5536, 39.8373, 56.7217

# Sweetspot

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



45.9407, 39.8391, 50.6163



87.4910, 87.1107, 99.5095



40.9436, 36.9614, 64.0085



18.4401, 18.1594, 20.9347



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.



45.9407, 39.8391, 50.6163



69.7658, 57.4952, 75.6128



43.4207, 38.8311, 37.3463



12.0850, 11.9187, 13.7234



18.2897, 9.1887, 11.6979



1.0621, 0.5296, 0.8617



# Inverse Universe

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



45.9407, 39.8391, 50.6163



69.7658, 57.4952, 75.6128



46.4758, 55.8308, 65.1196



12.0850, 11.9187, 13.7234



18.2897, 9.1887, 11.6979



1.0621, 0.5296, 0.8617



# Previews

## White Background



This preview shows how the XYZ color 45.9395, 39.8373, 50.6155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

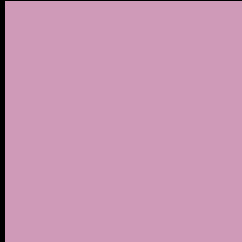
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9395, 39.8373, 50.6155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

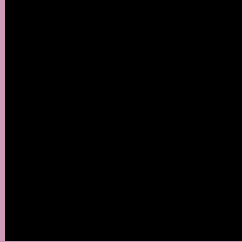
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.9395, 39.8373, 50.6155**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9395, 39.8373, 50.6155.



This preview shows how white text looks on a background with the XYZ color 45.9395, 39.8373,

50.6155.

# 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

45.9395, 39.8373, 50.6155

### Protanopia

39.3542, 39.9625, 56.0914

### Deuteranopia

40.7210, 39.9910, 49.8288



## Tritanopia

44.3952, 39.9577, 42.9088

# Trichromacy



## Original Color

45.9395, 39.8373, 50.6155

## Protanomaly

41.4475, 39.7358, 54.2005

## Deuteranomaly

42.5273, 39.8558, 50.2512

## Tritanomaly

44.9820, 39.9547, 45.3856

# Monochromacy



## Original Color

45.9395, 39.8373, 50.6155

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.5796, 40.7610, 47.2712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9395, 39.8373, 50.6155 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(207, 154, 184)` looks like.

```
.text, #text, p{  
    color:rgb(207, 154, 184)  
}
```

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(207, 154, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 154, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9395, 39.8373, 50.6155 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(207, 154, 184) }
```



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

```
.border{ border-color:rgb(207, 154, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 154, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 154, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 154, 184);  
box-shadow:4px 4px 4px 4px rgb(207, 154,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9395, 39.8373, 50.6155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 154, 184) }
```

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

```
.background{ background-color: rgb(207,  
154, 184) }
```

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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