

# Converting Colors

XYZ(44.3778, 40.0254, 59.6378)

Have a look what the booklet for  
XYZ(44.3778, 40.0254, 59.6378)  
contains.

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# Color

**XYZ(44.4452, 40.1263,  
59.4355)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C09FC7
RGB	192, 159, 199
RGB Percent	75%, 62%, 78%
CMY	0.2471, 0.3765, 0.2196
CMYK	0.04, 0.20, 0.00, 0.22
HSL	289°, 26%, 70%
HSV	289°, 20%, 78%
XYZ	44.4452, 40.1263, 59.4355
YIQ	173.4270, 6.8280, 19.4360

# Conversions

## Conversions Part 2

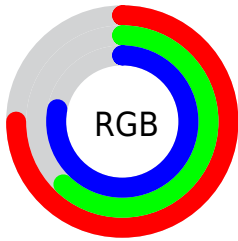
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 159, 199
Decimal	12623815
CIE <sub>Lab</sub>	69.56, 19.30, -15.94
CIE <sub>LCh</sub>	70, 25.029, 320.452
Yxy	40.1263, 0.3086, 0.2786
Android (android.graphics.Color)	4290813895 (0xFFC09FC7)
YUV	173.4270, 12.6075, 16.2885
Hunter-Lab	63.3453, 14.3873, -11.2888

# Details

The XYZ color **44.4452, 40.1263, 59.4355** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.4088, 51.4581, 40.5001**, and the grayscale version is **39.8747, 41.9513, 45.6849**.

A 20% lighter version of the original color is **81.1635, 75.4529, 104.8938**, and **20.8498, 17.9630, 29.1564** is the 20% darker color. If you saturate the color by 10%, you get **40.4238, 33.3764, 58.3452**, and if you desaturate by 10%, it is **49.0409, 47.9922, 60.7122**.

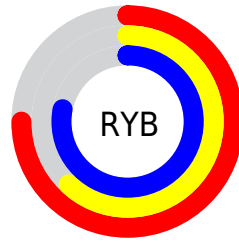
# Distribution



Red (75%)

Green (62%)

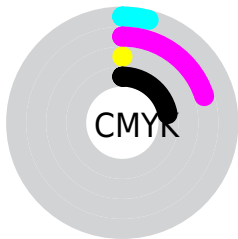
Blue (78%)



Red (75%)

Yellow (62%)

Blue (78%)

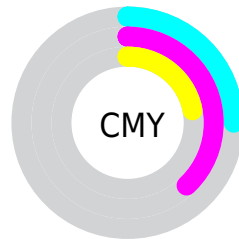


Cyan (4%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (25%)

Magenta (38%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4452, 40.1263, 59.4355 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 44.4452, 40.1263, 59.4355 by changing the saturation by 10% instead.





 44.4452, 40.1263,  
59.4355


 44.4452, 40.1263,  
59.4355


355.3435,  
346.6556, 440.2606

 31.2201, 27.6370,  
42.5415

 81.1294, 75.3558,  
105.5457

 20.9191, 18.0522,  
29.1968


 105.3193, 98.8648,  
135.5989

 13.1770, 10.9875,  
18.9829


133.8947,  
126.8159, 170.8757

 7.6284, 6.0584,  
11.4812

167.2211,  
159.5934, 211.7945

 3.9079, 2.8806,  
6.2733

205.6639,  
197.5817, 258.7738

 1.6502, 1.0697,  
2.9405

249.5883,

 0.4248, 0.0000,

241.1653, 312.2322

1.0643

299.3597,  
290.7284, 372.5883

■ 0.0000, 0.0000,  
0.0000

■ 44.4452, 40.1263,  
59.4355

■ 44.4452, 40.1263,  
59.4355

■ 40.4238, 33.3764,  
58.3452

■ 49.0409, 47.9922,  
60.7122

■ 36.9464, 27.6847,  
57.4299

■ 54.2318, 57.0181,  
62.1807

■ 33.9858, 22.9958,  
56.6809

■ 60.0423, 67.2520,  
63.8498

■ 31.5106, 19.2474,  
56.0878

■ 66.4945, 78.7375,  
65.7267

■ 29.4859, 16.3700,  
55.6391

■ 72.4808, 89.2594,  
67.4421

■ 27.8721, 14.2844,  
55.3216

■ 73.4796, 89.7743,  
67.4889

■ 26.6223, 12.8970,  
55.1197

■ 74.5001, 90.3004,  
67.5366

■ 25.6549, 12.0347,  
55.0042

■ 75.5424, 90.8377,  
67.5854

■ 76.6067, 91.3864,  
67.6352

# Harmonies

## Analogous

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



40.9169, 40.1263, 68.0156



44.4452, 40.1263, 59.4355



46.3203, 40.1263, 47.4845

# Triad

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



44.4452, 40.1263, 59.4355



39.4415, 40.1263, 25.2249



31.3161, 40.1263, 51.9310

# Complementary

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



44.4452, 40.1263, 59.4355



42.4088, 51.4581, 40.5001

# 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.



30.9824, 40.1263, 40.1046



44.4452, 40.1263, 59.4355



35.4894, 40.1263, 25.9908

# Square

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



44.4452, 40.1263, 59.4355



43.2998, 40.1263, 28.6884



32.4592, 40.1263, 31.0054



33.4052, 40.1263, 63.1799



# Rectangle

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



44.4452, 40.1263, 59.4355



46.2961, 40.1263, 39.7794



32.4592, 40.1263, 31.0054



31.0009, 40.1263, 47.8504

# Sweetspot

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



44.4464, 40.1280, 59.4364



89.3836, 90.1194, 107.2915



38.3055, 38.8901, 59.5211



19.0049, 19.0690, 22.9290



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.



44.4464, 40.1280, 59.4364



74.7062, 64.9996, 103.2165



44.8510, 40.4995, 52.0948



10.8940, 10.7191, 13.4123



16.5625, 7.7726, 35.3717



0.8334, 0.3934, 1.6771



# Inverse Universe

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



42.8357, 39.6934, 41.4822



71.4477, 64.1388, 66.0624



42.1373, 51.1846, 46.5225



10.7084, 10.6667, 11.4476



15.3616, 7.8942, 1.8482

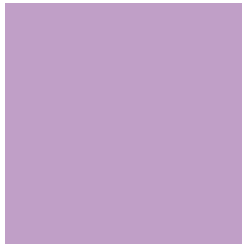


0.7514, 0.3834, 0.2138



# Previews

## White Background



This preview shows how the XYZ color 44.4452, 40.1263, 59.4355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

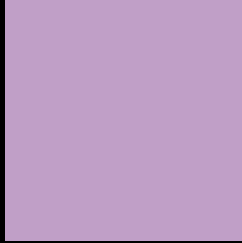
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4452, 40.1263, 59.4355 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 44.4452, 40.1263, 59.4355**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4452, 40.1263, 59.4355.



This preview shows how white text looks on a background with the XYZ color 44.4452, 40.1263,

59.4355.

# 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

44.4452, 40.1263, 59.4355

### Protanopia

40.1077, 40.4651, 63.4542

### Deuteranopia

41.0628, 40.2339, 59.0278



## Tritanopia

41.9199, 40.1478, 46.6142

# Trichromacy



## Original Color

44.4452, 40.1263, 59.4355

## Protanomaly

41.4682, 40.1063, 62.0556

## Deuteranomaly

42.1126, 39.9749, 58.9224

## Tritanomaly

42.8073, 40.2485, 50.8600

# Monochromacy



## Original Color

44.4452, 40.1263, 59.4355

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.2685, 41.0860, 50.0113

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4452, 40.1263, 59.4355 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(192, 159, 199)` looks like.

```
.text, #text, p{  
    color:rgb(192, 159, 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(192, 159, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 159, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4452, 40.1263, 59.4355 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(192, 159, 199) }
```



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

```
.border{ border-color:rgb(192, 159, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 159, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 159, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 159, 199);  
box-shadow:4px 4px 4px 4px rgb(192, 159,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4452, 40.1263, 59.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 159, 199) }
```

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

```
.background{ background-color: rgb(192,  
159, 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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