

Converting Colors

XYZ(45.4895, 40.6812, 59.2818)

Have a look what the booklet for
XYZ(45.4895, 40.6812, 59.2818)
contains.

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Color

**XYZ(45.4719, 40.6556,
59.4835)**

Conversions

Conversions Part 1

Format	Color
Hex	C49FC7
RGB	196, 159, 199
RGB Percent	77%, 62%, 78%
CMY	0.2314, 0.3765, 0.2196
CMYK	0.02, 0.20, 0.00, 0.22
HSL	296°, 26%, 70%
HSV	296°, 20%, 78%
XYZ	45.4719, 40.6556, 59.4835
YIQ	174.6230, 9.2120, 20.2840

Conversions

Conversions Part 2

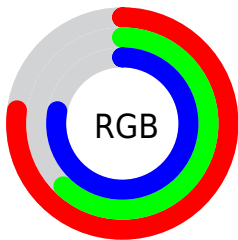
Format	Color
R _{YB}	196, 159, 199
Decimal	12885959
CIE Lab	69.93, 20.65, -15.33
CIE LCh	70, 25.721, 323.403
Yxy	40.6556, 0.3123, 0.2792
Android (android.graphics.Color)	4291076039 (0xFFC49FC7)
YUV	174.6230, 12.0179, 18.7476
Hunter-Lab	63.7617, 15.7148, -10.6786

Details

The XYZ color **45.4719, 40.6556, 59.4835** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.5832, 51.0325, 40.4616**, and the grayscale version is **40.4905, 42.5991, 46.3905**.

A 20% lighter version of the original color is **82.6046, 76.1958, 104.9613**, and **21.5239, 18.3105, 29.1879** is the 20% darker color. If you saturate the color by 10%, you get **41.9356, 34.1559, 58.4159**, and if you desaturate by 10%, it is **49.5654, 48.2627, 60.7367**.

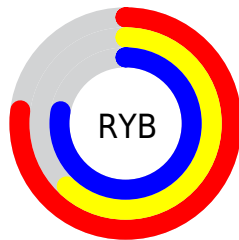
Distribution



Red (77%)

Green (62%)

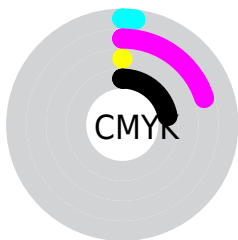
Blue (78%)



Red (77%)

Yellow (62%)

Blue (78%)

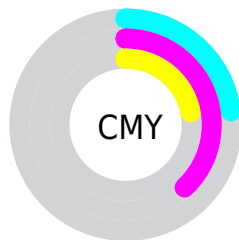


Cyan (2%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (23%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4719, 40.6556, 59.4835 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 45.4719, 40.6556, 59.4835 by changing the saturation by 10% instead.

■ 45.4719, 40.6556,
59.4835

■ 45.4719, 40.6556,
59.4835

359.4330,
348.8791, 440.4430

■ 32.0321, 28.0501,
42.5799

■ 82.6608, 76.1608,
105.6161

■ 21.5417, 18.3634,
29.2267

■ 107.1407, 99.8293,
135.6821

■ 13.6353, 11.2112,
19.0053

136.0313,
127.9542, 170.9727

■ 7.9474, 6.2091,
11.4973

169.6980,
160.9199, 211.9064

■ 4.1128, 2.9726,
6.2840

208.5062,
199.1109, 258.9018

■ 1.7662, 1.1175,
2.9470

252.8212,

■ 0.4972, 0.0000,

242.9115, 312.3773

1.0676

303.0084,
292.7061, 372.7515

■ 0.0000, 0.0000,
0.0000

■ 45.4719, 40.6556,
59.4835

■ 45.4719, 40.6556,
59.4835

■ 41.9356, 34.1559,
58.4159

■ 49.5654, 48.2627,
60.7367

■ 38.9266, 28.7055,
57.5225

■ 54.2370, 57.0209,
62.1809

■ 36.4175, 24.2494,
56.7946

■ 59.5110, 66.9781,
63.8249

■ 34.3772, 20.7252,
56.2219

■ 65.4092, 78.1781,
65.6759

■ 32.7710, 18.0635,
55.7928

■ 70.8240, 88.4053,
67.3645

■ 31.5593, 16.1853,
55.4941

■ 71.2336, 88.6165,
67.3837

■ 30.6954, 14.9968,
55.3103

■ 71.6472, 88.8297,
67.4030

■ 30.0944, 14.3233,
55.2119

■ 72.0648, 89.0449,
67.4226

■ 72.4862, 89.2622,
67.4423

Harmonies

Analogous

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



41.9284, 40.6556, 68.9751



45.4719, 40.6556, 59.4835



47.2030, 40.6556, 46.9688

Triad

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



45.4719, 40.6556, 59.4835



39.5742, 40.6556, 25.0875



31.7150, 40.6556, 54.0702

Complementary

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



45.4719, 40.6556, 59.4835



41.5832, 51.0325, 40.4616

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.



31.1841, 40.6556, 41.6709



45.4719, 40.6556, 59.4835



35.5319, 40.6556, 26.3009

Square

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



45.4719, 40.6556, 59.4835



43.6426, 40.6556, 28.2175



32.5326, 40.6556, 31.8957



34.0386, 40.6556, 65.4761

Rectangle

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



45.4719, 40.6556, 59.4835



47.0136, 40.6556, 39.1351



32.5326, 40.6556, 31.8957



31.3282, 40.6556, 49.8290

Sweetspot

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



45.4731, 40.6574, 59.4844



89.9409, 90.4067, 107.3176



37.5878, 37.4547, 59.2818



19.1370, 19.1371, 22.9352



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.



45.4731, 40.6574, 59.4844



76.8688, 66.1145, 103.3177



44.4306, 40.3314, 49.8811



11.0016, 10.7746, 13.4173



19.3839, 9.2270, 35.5037



0.9418, 0.4493, 1.6822

Inverse Universe

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



42.4743, 39.5489, 39.5794



70.7254, 63.8498, 62.2588



42.5265, 51.3402, 48.5715



10.6656, 10.6496, 11.2224



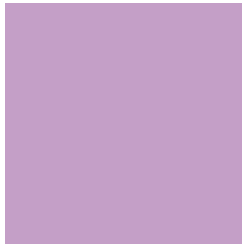
15.2131, 7.8348, 1.0660



0.7318, 0.3756, 0.1108

Previews

White Background



This preview shows how the XYZ color 45.4719, 40.6556, 59.4835 looks on a white background.

Color Contrast Check

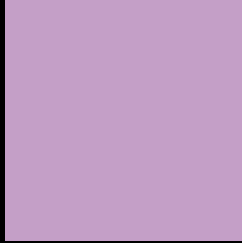
Large Text (above 18pt) WCAG AA × Fail

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 45.4719, 40.6556, 59.4835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

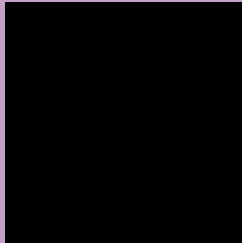
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4719, 40.6556, 59.4835

Background



This preview shows how black text looks on a background with the XYZ color 45.4719, 40.6556, 59.4835.



This preview shows how white text looks on a background with the XYZ color 45.4719, 40.6556,

59.4835.

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

45.4719, 40.6556, 59.4835

Protanopia

40.6196, 40.9922, 64.1639

Deuteranopia

41.5760, 40.7826, 58.5039



Tritanopia

42.9260, 40.6664, 46.6613

Trichromacy



Original Color

45.4719, 40.6556, 59.4835

Protanomaly

42.0949, 40.6982, 62.1368

Deuteranomaly

42.9969, 40.6954, 59.0149

Tritanomaly

43.8202, 40.7707, 50.9074

Monochromacy



Original Color

45.4719, 40.6556, 59.4835

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.3681, 41.9039, 51.2026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4719, 40.6556, 59.4835 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, 159, 199)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 159, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.4719, 40.6556, 59.4835 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, 159, 199) }
```


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

```
.border{ border-color:rgb(196, 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(196, 159, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 199);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4719, 40.6556, 59.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 199) }
```

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

```
.background{ background-color: rgb(196,  
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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