

Converting Colors

XYZ(45.4775, 40.2746, 59.7065)

Have a look what the booklet for
XYZ(45.4775, 40.2746, 59.7065)
contains.

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Color

**XYZ(45.5616, 40.4476,
59.4386)**

Conversions

Conversions Part 1

Format	Color
Hex	C59EC7
RGB	197, 158, 199
RGB Percent	77%, 62%, 78%
CMY	0.2274, 0.3804, 0.2196
CMYK	0.01, 0.21, 0.00, 0.22
HSL	297°, 27%, 70%
HSV	297°, 21%, 78%
XYZ	45.5616, 40.4476, 59.4386
YIQ	174.3350, 10.0830, 21.0190

Conversions

Conversions Part 2

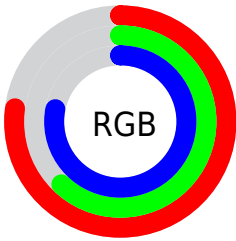
Format	Color
RYB	197, 158, 199
Decimal	12951239
CIELab	69.79, 21.54, -15.55
CIElCh	70, 26.565, 324.180
Yxy	40.4476, 0.3133, 0.2781
Android (android.graphics.Color)	4291141319 (0xFFC59EC7)
YUV	174.3350, 12.1598, 19.8772
Hunter-Lab	63.5984, 16.5793, -10.8931

Details

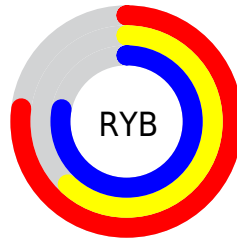
The XYZ color **45.5616, 40.4476, 59.4386** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0937, 50.7901, 39.9875**, and the grayscale version is **40.3412, 42.4421, 46.2194**.

A 20% lighter version of the original color is **82.7173, 75.8793, 104.8942**, and **21.5926, 18.1920, 29.1614** is the 20% darker color. If you saturate the color by 10%, you get **42.1853, 34.0704, 58.3862**, and if you desaturate by 10%, it is **49.4917, 47.9284, 60.6760**.

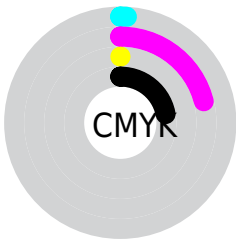
Distribution



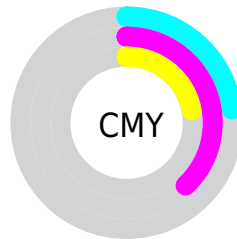
- Red (77%)
- Green (62%)
- Blue (78%)



- Red (77%)
- Yellow (62%)
- Blue (78%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)





- Cyan (23%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5616, 40.4476, 59.4386 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 45.5616, 40.4476, 59.4386 by changing the saturation by 10% instead.


 45.5616, 40.4476,
59.4386

 45.5616, 40.4476,
59.4386


359.7889,
348.0065, 440.2724

 32.1032, 27.8877,
42.5440


 82.7944, 75.8446,
105.5502

 21.5962, 18.2410,
29.1987


 107.2995, 99.4505,
135.6043

 13.6755, 11.1232,
18.9843


136.2175,
127.5072, 170.8819

 7.9755, 6.1497,
11.4823

169.9138,
160.3991, 211.8017

 4.1309, 2.9363,
6.2740

208.7537,
198.5106, 258.7821

 1.7765, 1.0986,
2.9409

253.1026,

 0.5034, 0.0000,

242.2261, 312.2416

1.0645

303.3259,
291.9299, 372.5989

■ 0.0000, 0.0000,
0.0000

■ 45.5616, 40.4476,
59.4386

■ 45.5616, 40.4476,
59.4386

■ 42.1853, 34.0704,
58.3862

■ 49.4917, 47.9284,
60.6760

■ 39.3326, 28.7387,
57.5075

■ 53.9964, 56.5568,
62.1040

■ 36.9761, 24.3971,
56.7936

■ 59.1001, 66.3809,
63.7313

■ 35.0846, 20.9830,
56.2343

■ 64.8248, 77.4443,
65.5650

■ 33.6232, 18.4265,
55.8179

■ 70.3867, 88.1799,
67.3440

■ 32.5519, 16.6481,
55.5311

■ 70.6500, 88.3156,
67.3563

■ 31.8236, 15.5531,
55.3581

■ 70.9149, 88.4521,
67.3687

■ 31.3682, 14.9800,
55.2715

■ 71.1815, 88.5896,
67.3812

■ 71.4497, 88.7278,
67.3938

Harmonies

Analogous

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



41.9389, 40.4476, 69.4282



45.5616, 40.4476, 59.4386



47.2902, 40.4476, 46.4908

Triad

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



45.5616, 40.4476, 59.4386



39.2905, 40.4476, 24.4005



31.3702, 40.4476, 54.4927

Complementary

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



45.5616, 40.4476, 59.4386



41.0937, 50.7901, 39.9875

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.



30.7765, 40.4476, 41.6779



45.5616, 40.4476, 59.4386



35.1493, 40.4476, 25.7464

Square

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



45.5616, 40.4476, 59.4386



43.5000, 40.4476, 27.4656



32.1096, 40.4476, 31.5619



33.7962, 40.4476, 66.2197

Rectangle

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



45.5616, 40.4476, 59.4386



47.0498, 40.4476, 38.4796



32.1096, 40.4476, 31.5619



30.9577, 40.4476, 50.1130

Sweetspot

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



45.5628, 40.4494, 59.4395



90.0878, 90.4824, 107.3245



36.9906, 36.5536, 59.1393



19.1718, 19.1551, 22.9368



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.



45.5628, 40.4494, 59.4395



76.8406, 65.2657, 103.1553



44.0757, 39.9154, 48.8572



11.0300, 10.7893, 13.4187



20.1923, 9.6438, 35.5415



0.9722, 0.4649, 1.6836

Inverse Universe

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



42.1266, 39.1358, 38.5934



69.7034, 62.5420, 59.6490



42.4065, 51.2694, 48.9706



10.6545, 10.6452, 11.1638



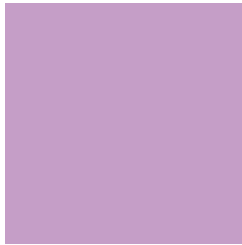
15.1889, 7.8251, 0.9385



0.7267, 0.3735, 0.0838

Previews

White Background



This preview shows how the XYZ color 45.5616, 40.4476, 59.4386 looks on a white background.

Color Contrast Check

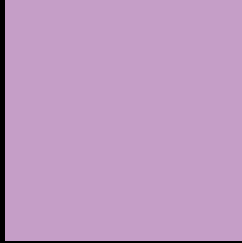
Large Text (above 18pt) WCAG AA × Fail

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 45.5616, 40.4476, 59.4386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

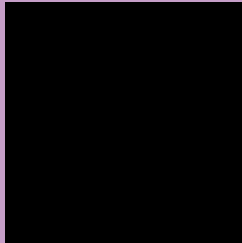
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5616, 40.4476, 59.4386

Background



This preview shows how black text looks on a background with the XYZ color 45.5616, 40.4476, 59.4386.



This preview shows how white text looks on a background with the XYZ color 45.5616, 40.4476,

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

45.5616, 40.4476, 59.4386

Protanopia

40.5547, 40.6675, 64.7436

Deuteranopia

41.5760, 40.7826, 58.5039



Tritanopia

42.9063, 40.4051, 46.0950

Trichromacy



Original Color

45.5616, 40.4476, 59.4386

Protanomaly

42.0334, 40.3839, 62.7062

Deuteranomaly

42.9969, 40.6954, 59.0149

Tritanomaly

43.9023, 40.5525, 50.8609

Monochromacy



Original Color

45.5616, 40.4476, 59.4386

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.8413, 41.3692, 50.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5616, 40.4476, 59.4386 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(197, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(197, 158, 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(197, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 158, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.5616, 40.4476, 59.4386 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(197, 158, 199) }
```


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

```
.border{ border-color:rgb(197, 158, 199) }
```

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

Here you see how a box with a 4 pixel rgb(197, 158, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(197, 158,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5616, 40.4476, 59.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 158, 199) }
```

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

```
.background{ background-color: rgb(197,  
158, 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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