

Converting Colors

CIELCh(49, 45.177, 298.384)

Have a look what the booklet for
CIELCh(49, 45.177, 298.384)
contains.

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Color

CIELCh(49, 45.319, 298.447)

Conversions

Conversions Part 1

Format	Color
Hex	726BB8
RGB	114, 107, 184
RGB Percent	45%, 42%, 72%
CMY	0.5524, 0.5799, 0.2779
CMYK	0.38, 0.42, 0.00, 0.28
HSL	245°, 35%, 57%
HSV	245°, 42%, 72%
XYZ	20.8936, 17.5941, 47.7179
YIQ	117.8710, -20.5450, 25.4310

Conversions

Conversions Part 2

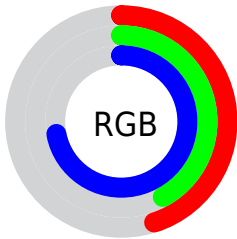
Format	Color
RYB	114, 107, 184
Decimal	7498680
CIELab	49.00, 21.59, -39.85
CIELCh	49, 45.319, 298.447
Yxy	17.5941, 0.2424, 0.2041
Android (android.graphics.Color)	4285688760 (0xFF726BB8)
YUV	117.8710, 32.6016, -3.3949
Hunter-Lab	41.9453, 15.5094, -38.0879

Details

The CIELCh color $49, 45.319, 298.447$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $73, 40.756, 110.353$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 45.305, 298.428$, and $29, 44.830, 298.196$ is the 20% darker color. If you saturate the color by 10%, you get $43, 57.237, 300.016$, and if you desaturate by 10%, it is $55, 33.790, 297.054$.

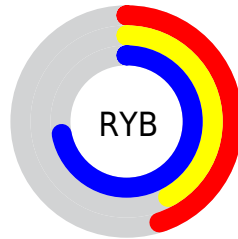
Distribution



Red (45%)

Green (42%)

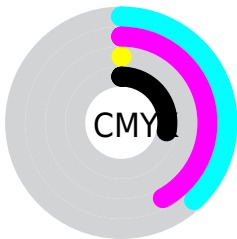
Blue (72%)



Red (45%)

Yellow (42%)

Blue (72%)

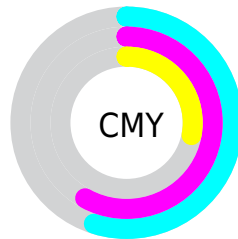


Cyan (38%)

Magenta (42%)

Yellow (0%)

Black (28%)



Cyan (55%)

Magenta (58%)

Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 45.319, 298.447 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 CIELCh color 49, 45.319, 298.447 by changing the saturation by 10% instead.

 49, 45.319,
298.447

 49, 45.319,
298.447


 100, 45.319,
298.447


 39, 45.319,
298.447

 69, 45.319,
298.447

 29, 45.319,
298.447


 79, 45.319,
298.447

 19, 45.319,
298.447

 89, 45.319,
298.447

 9, 45.319, 298.447

 99, 45.319,
298.447

 0, 45.319, 298.447

 49, 45.319,

 49, 45.319,

298.447

43, 57.237,
300.016

37, 69.366,
301.715

32, 81.244,
303.433

27, 91.931,
304.965

24, 99.968,
306.033

22, 104.288,
306.579

298.447

55, 33.790,
297.054

61, 22.705,
295.843

68, 12.059,
294.801


74, 1.831, 293.920

80, 8.007, 113.137

86, 17.483,
112.485

92, 26.621,
111.925

98, 35.444,
111.444

 99, 35.608,
107.464

Harmonies

Complementary

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



49, 45.319, 298.447



73, 40.756, 110.353

Rectangle

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



49, 45.319, 298.447



49, 45.319, 348.447



49, 45.319, 118.447



49, 45.319, 168.447

Sweetspot

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



49, 45.318, 298.447



85, 16.473, 294.936



68, 22.903, 206.594



43, 11.570, 295.156



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 45.318, 298.447



57, 68.297, 299.853



53, 47.009, 313.805



36, 5.737, 294.566



18, 91.992, 306.630



1, 15.411, 292.932

Inverse Universe

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



56, 47.727, 329.393



68, 69.543, 329.891



70, 44.829, 129.998



36, 6.492, 327.507



36, 74.452, 332.166



3, 17.153, 328.503

Previews

White Background



This preview shows how the CIELCh color 49, 45.319, 298.447 looks on a white background.

Color Contrast Check

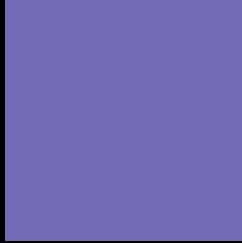
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 45.319, 298.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

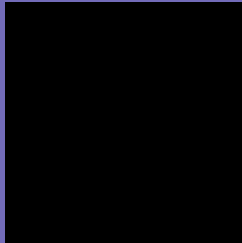
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 45.319, 298.447

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.319, 298.447.

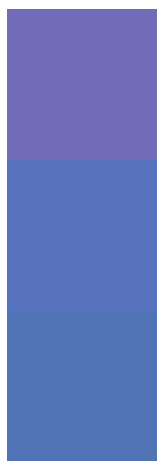


This preview shows how white text looks on a background with the CIELCh color 49, 45.319, 298.447.

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

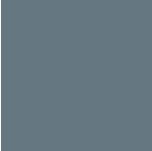
49, 45.319, 298.447

Protanopia

49, 44.793, 285.833

Deuteranopia

49, 39.390, 280.638



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 45.319, 298.447

Protanomaly
49, 44.588, 289.810

Deuteranomaly
49, 41.214, 287.233

Tritanomaly
49, 20.134, 283.782

Monochromacy



Original Color
49, 45.319, 298.447

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 16.524, 296.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.319, 298.447 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(114, 107, 184)` looks like.

```
.text, #text, p{  
    color:rgb(114, 107, 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(114, 107, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 107, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.319, 298.447 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(114, 107, 184) }
```

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

```
.border{ border-color:rgb(114, 107, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 107, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 107, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 107, 184);  
box-shadow:4px 4px 4px 4px rgb(114, 107,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.319, 298.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 107, 184) }
```

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

```
.background{ background-color: rgb(114,  
107, 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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