

Converting Colors

CIELCh(49, 45.144, 318.937)

Have a look what the booklet for
CIELCh(49, 45.144, 318.937)
contains.

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Color

CIELCh(49, 45.257, 318.967)

Conversions

Conversions Part 1

Format	Color
Hex	9560A7
RGB	149, 96, 167
RGB Percent	58%, 38%, 65%
CMY	0.4150, 0.6229, 0.3445
CMYK	0.11, 0.42, 0.00, 0.34
HSL	285°, 29%, 52%
HSV	285°, 42%, 66%
XYZ	23.6107, 17.5941, 38.7895
YIQ	119.9410, 8.7970, 33.3170

Conversions

Conversions Part 2

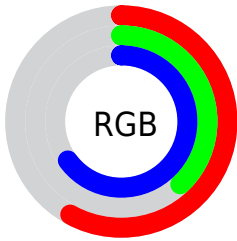
Format	Color
R_{YB}	149, 96, 167
Decimal	9789607
CIE _{Lab}	49.00, 34.14, -29.71
CIE _{LCh}	49, 45.257, 318.967
Yxy	17.5941, 0.2952, 0.2199
Android (android.graphics.Color)	4287979687 (0xFF9560A7)
YUV	119.9410, 23.2001, 25.4847
Hunter-Lab	41.9453, 27.0720, -25.4676

Details

The CIELCh color $49, 45.257, 318.967$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 44.161, 134.989$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 44.849, 318.947$, and $29, 45.724, 319.101$ is the 20% darker color. If you saturate the color by 10%, you get $45, 55.520, 319.316$, and if you desaturate by 10%, it is $53, 34.607, 318.564$.

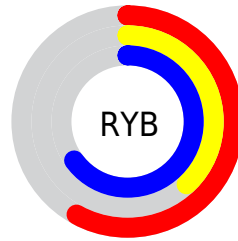
Distribution



Red (58%)

Green (38%)

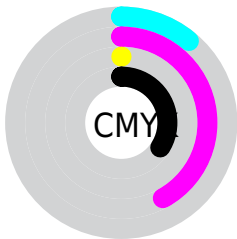
Blue (65%)



Red (58%)

Yellow (38%)

Blue (65%)

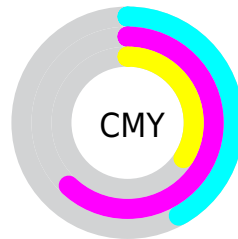


Cyan (11%)

Magenta (42%)

Yellow (0%)

Black (34%)



Cyan (42%)


Magenta (62%)


Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 45.257, 318.967 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, 45.257, 318.967 by changing the saturation by 10% instead.


 49, 45.257,
318.967


 49, 45.257,
318.967


 100, 45.257,
318.967


 39, 45.257,
318.967

 69, 45.257,
318.967


 29, 45.257,
318.967

 79, 45.257,
318.967

 19, 45.257,
318.967

 89, 45.257,
318.967

 9, 45.257, 318.967

 99, 45.257,
318.967

 0, 45.257, 318.967

 49, 45.257,

 49, 45.257,

318.967

45, 55.520,
319.316

41, 65.030,
319.572

38, 73.316,
319.689

35, 79.869,
319.611

33, 84.274,
319.290

32, 86.542,
318.937

318.967

53, 34.607,
318.564

58, 23.839,
318.135

63, 13.128,
317.699

67, 2.587, 317.225

72, 7.721, 136.910

77, 17.760,
136.520

82, 27.516,
136.166

87, 36.986,
135.842

 92, 46.176,
135.548

Harmonies

Complementary

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



49, 45.257, 318.967



63, 44.161, 134.989

Rectangle

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



49, 45.257, 318.967



49, 45.257, 8.967



49, 45.257, 138.967



49, 45.257, 188.967

Sweetspot

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



49, 45.255, 318.967



79, 16.908, 317.732



49, 30.896, 282.937



41, 11.948, 317.825



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 45.255, 318.967



58, 66.697, 319.298



51, 40.664, 334.591



33, 5.969, 317.558



28, 79.066, 319.021



1, 10.597, 314.987

Inverse Universe

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



49, 31.136, 4.525



59, 46.412, 6.390



63, 40.483, 148.157



33, 3.933, 0.067



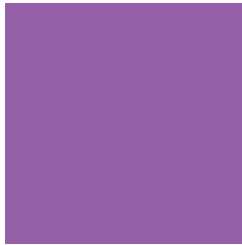
30, 59.447, 24.080



1, 6.922, 1.872

Previews

White Background



This preview shows how the CIELCh color 49, 45.257, 318.967 looks on a white background.

Color Contrast Check

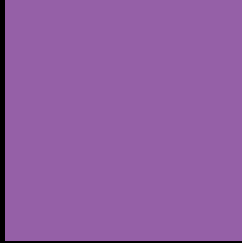
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 45.257, 318.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

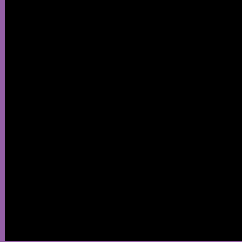
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 45.257, 318.967

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.257, 318.967.

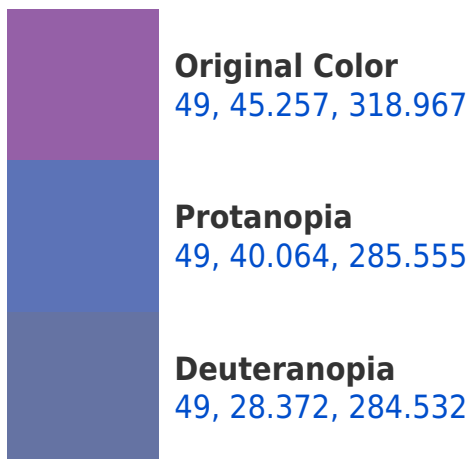


This preview shows how white text looks on a background with the CIELCh color 49, 45.257, 318.967.

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





Tritanopia
49, 15.414, 1.526

Trichromacy



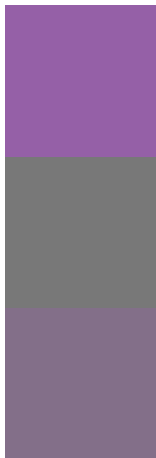
Original Color
49, 45.257, 318.967

Protanomaly
49, 40.647, 297.453

Deuteranomaly
49, 33.853, 300.665

Tritanomaly
49, 24.840, 333.774

Monochromacy



Original Color
49, 45.257, 318.967

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 17.158, 318.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.257, 318.967 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(149, 96, 167)` looks like.

```
.text, #text, p{  
    color:rgb(149, 96, 167)  
}
```

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(149, 96, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 96, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.257, 318.967 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(149, 96, 167) }
```

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

```
.border{ border-color:rgb(149, 96, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 96, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 96, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 96, 167);  
box-shadow:4px 4px 4px 4px rgb(149, 96,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.257, 318.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 96, 167) }
```

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

```
.background{ background-color: rgb(149, 96,  
167) }
```

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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