

Converting Colors

CIELCh(49, 45.769, 318.015)

Have a look what the booklet for
CIELCh(49, 45.769, 318.015)
contains.

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Color

CIELCh(49, 46.157, 317.926)

Conversions

Conversions Part 1

Format	Color
Hex	9460A9
RGB	148, 96, 169
RGB Percent	58%, 38%, 66%
CMY	0.4187, 0.6227, 0.3364
CMYK	0.12, 0.43, 0.00, 0.34
HSL	283°, 30%, 52%
HSV	283°, 43%, 66%
XYZ	23.6383, 17.5941, 39.7981
YIQ	119.8700, 7.5590, 33.7270

Conversions

Conversions Part 2

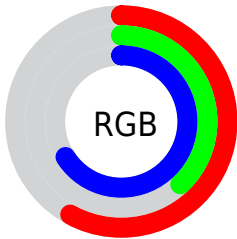
Format	Color
R_{YB}	148, 96, 169
Decimal	9724073
CIE _{Lab}	49.00, 34.26, -30.93
CIE _{LCh}	49, 46.157, 317.926
Yxy	17.5941, 0.2917, 0.2171
Android (android.graphics.Color)	4287914153 (0xFF9460A9)
YUV	119.8700, 24.2211, 24.6700
Hunter-Lab	41.9453, 27.1896, -26.8933

Details

The CIELCh color `49, 46.157, 317.926` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `64, 44.812, 133.968`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 46.160, 317.655`, and `29, 46.724, 318.028` is the 20% darker color. If you saturate the color by 10%, you get `45, 56.520, 318.276`, and if you desaturate by 10%, it is `53, 35.429, 317.522`.

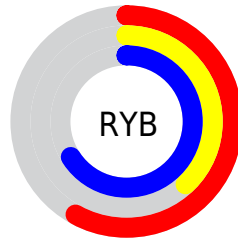
Distribution



Red (58%)

Green (38%)

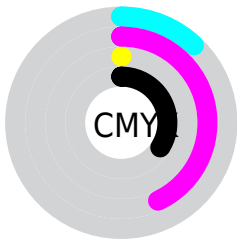
Blue (66%)



Red (58%)

Yellow (38%)

Blue (66%)

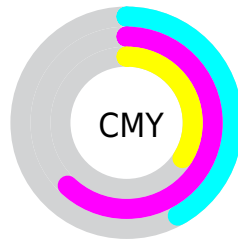


Cyan (12%)

Magenta (43%)

Yellow (0%)

Black (34%)



Cyan (42%)


Magenta (62%)

Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 46.157, 317.926 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, 46.157, 317.926 by changing the saturation by 10% instead.

 49, 46.157,
317.926


 49, 46.157,
317.926

 100, 46.157,
317.926

 39, 46.157,
317.926

 69, 46.157,
317.926


 29, 46.157,
317.926


 79, 46.157,
317.926

 19, 46.157,
317.926

 89, 46.157,
317.926

 9, 46.157, 317.926

 99, 46.157,
317.926

 0, 46.157, 317.926

 49, 46.157,

 49, 46.157,

317.926

317.926

■ 45, 56.520,
318.276

■ 53, 35.429,
317.522

■ 41, 66.150,
318.531

■ 58, 24.605,
317.093

■ 38, 74.562,
318.637

■ 63, 13.855,
316.658

■ 35, 81.220,
318.535

■ 68, 3.285, 316.203

■ 33, 85.683,
318.168

■ 73, 7.043, 135.879

■ 32, 87.851,
317.817

■ 78, 17.097,
135.496

■ 83, 26.866,
135.151

■ 87, 36.348,
134.837

■ 92, 45.550,
134.554

Harmonies

Complementary

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



49, 46.157, 317.926



64, 44.812, 133.968

Rectangle

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



49, 46.157, 317.926



49, 46.157, 7.926



49, 46.157, 137.926



49, 46.157, 187.926

Sweetspot

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



49, 46.155, 317.926



80, 16.919, 316.662



50, 30.375, 280.850



41, 11.845, 316.754



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, 46.155, 317.926



58, 68.300, 318.269



51, 42.630, 333.322



33, 5.915, 316.490



27, 79.527, 317.918



1, 10.491, 313.756

Inverse Universe

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



50, 32.219, 2.140



59, 48.019, 4.055



63, 42.550, 146.950



33, 3.995, 357.628



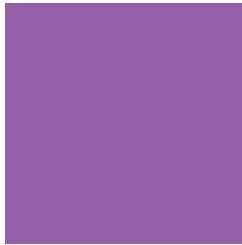
31, 58.420, 21.117



1, 7.015, 359.693

Previews

White Background



This preview shows how the CIELCh color 49, 46.157, 317.926 looks on a white background.

Color Contrast Check

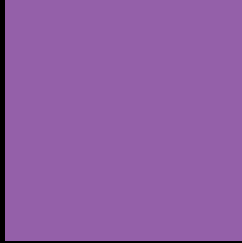
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.157, 317.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

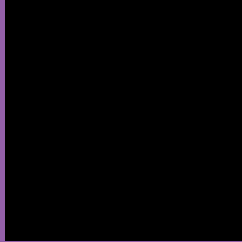
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 46.157, 317.926

Background



This preview shows how black text looks on a background with the CIELCh color 49, 46.157, 317.926.

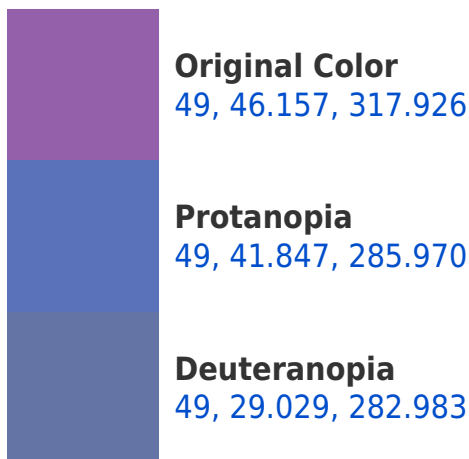


This preview shows how white text looks on a background with the CIELCh color 49, 46.157, 317.926.

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, 14.045, 1.821

Trichromacy



Original Color
49, 46.157, 317.926

Protanomaly
49, 41.783, 296.656

Deuteranomaly
49, 34.295, 298.908

Tritanomaly
49, 23.664, 332.404

Monochromacy



Original Color
49, 46.157, 317.926

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 17.516, 316.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 46.157, 317.926 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(148, 96, 169)` looks like.

```
.text, #text, p{  
    color:rgb(148, 96, 169)  
}
```

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(148, 96, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 96, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 46.157, 317.926 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(148, 96, 169) }
```

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

```
.border{ border-color:rgb(148, 96, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 96, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 96, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 96, 169);  
box-shadow:4px 4px 4px 4px rgb(148, 96,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 46.157, 317.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 96, 169) }
```

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

```
.background{ background-color: rgb(148, 96,  
169) }
```

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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