

Converting Colors

CIELCh(49, 50.181, 312.397)

Have a look what the booklet for
CIELCh(49, 50.181, 312.397)
contains.

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Color

CIELCh(49, 50.642, 312.321)

Conversions

Conversions Part 1

Format	Color
Hex	8D61B4
RGB	141, 97, 180
RGB Percent	55%, 38%, 71%
CMY	0.4459, 0.6186, 0.2930
CMYK	0.22, 0.46, 0.00, 0.29
HSL	272°, 36%, 54%
HSV	272°, 46%, 71%
XYZ	23.6011, 17.5941, 45.4889
YIQ	119.6180, -0.4190, 35.1410

Conversions

Conversions Part 2

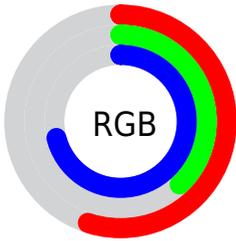
Format	Color
R_{YB}	141, 97, 180
Decimal	9265588
CIE _{Lab}	49.00, 34.10, -37.44
CIE _{LCh}	49, 50.642, 312.321
Yxy	17.5941, 0.2723, 0.2030
Android (android.graphics.Color)	4287455668 (0xFF8D61B4)
YUV	119.6180, 29.7683, 18.7520
Hunter-Lab	41.9453, 27.0313, -34.9373

Details

The CIELCh color `49, 50.642, 312.321` is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be `69, 47.617, 128.007`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 50.258, 312.214`, and `29, 50.652, 312.042` is the 20% darker color. If you saturate the color by 10%, you get `44, 61.698, 312.786`, and if you desaturate by 10%, it is `54, 39.383, 311.817`.

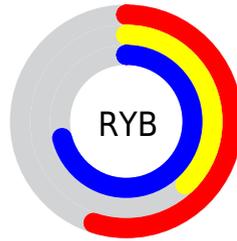
Distribution



Red (55%)

Green (38%)

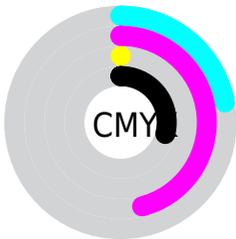
Blue (71%)



Red (55%)

Yellow (38%)

Blue (71%)

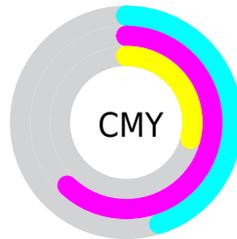


Cyan (22%)

Magenta (46%)

Yellow (0%)

Black (29%)



Cyan (45%)

Magenta (62%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 50.642, 312.321 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, 50.642, 312.321 by changing the saturation by 10% instead.

 49, 50.642,
312.321

 49, 50.642,
312.321

 100, 50.642,
312.321

 39, 50.642,
312.321

 69, 50.642,
312.321

 29, 50.642,
312.321

 79, 50.642,
312.321

 19, 50.642,
312.321

 89, 50.642,
312.321

 9, 50.642, 312.321

 99, 50.642,
312.321

 0, 50.642, 312.321

 49, 50.642,

 49, 50.642,

312.321

44, 61.698,
312.786

40, 72.167,
313.156

36, 81.480,
313.351

32, 88.928,
313.272

30, 93.901,
312.827

29, 95.551,
312.626

312.321

54, 39.383,
311.817

59, 28.170,
311.310

65, 17.143,
310.821

70, 6.377, 310.355

76, 4.089, 129.987

81, 14.244,
129.592

86, 24.087,
129.255

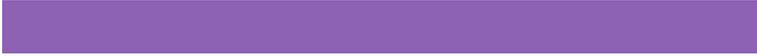
92, 33.628,
128.958

 96, 40.280,
127.753

Harmonies

Complementary

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



49, 50.642, 312.321



69, 47.617, 128.007

Rectangle

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



49, 50.642, 312.321



49, 50.642, 2.321



49, 50.642, 132.321



49, 50.642, 182.321

Sweetspot

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



49, 50.641, 312.321



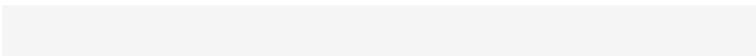
84, 18.478, 310.735



56, 26.927, 265.535



43, 12.782, 310.836



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

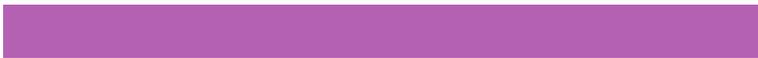
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 50.641, 312.321



57, 74.993, 312.781



54, 53.937, 327.319



35, 5.947, 310.506



24, 84.545, 312.772



1, 13.911, 306.237

Inverse Universe

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



52, 38.878, 350.235



62, 56.698, 351.818



67, 54.148, 141.257



35, 4.662, 346.052



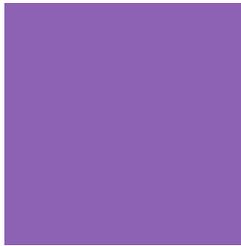
32, 57.720, 4.157



2, 10.431, 351.541

Previews

White Background



This preview shows how the CIELCh color 49, 50.642, 312.321 looks on a white background.

Color Contrast Check

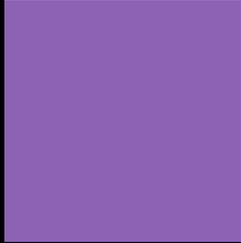
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.642, 312.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

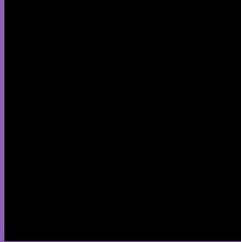
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

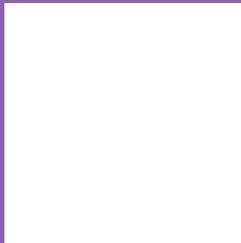
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 50.642, 312.321

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.642, 312.321.



This preview shows how white text looks on a background with the CIELCh color 49, 50.642, 312.321.

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, 9.707, 347.727

Trichromacy



Original Color
49, 50.642, 312.321

Protanomaly
49, 48.110, 294.740

Deuteranomaly
49, 40.566, 294.398

Tritanomaly
49, 23.907, 320.069

Monochromacy



Original Color
49, 50.642, 312.321

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 18.693, 311.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.642, 312.321 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(141, 97, 180)` looks like.

```
.text, #text, p{  
    color:rgb(141, 97, 180)  
}
```

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(141, 97, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 97, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.642, 312.321 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(141, 97, 180) }
```

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

```
.border{ border-color:rgb(141, 97, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 97, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 97, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 97, 180);  
box-shadow:4px 4px 4px 4px rgb(141, 97,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.642, 312.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 97, 180) }
```

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

```
.background{ background-color: rgb(141, 97,  
180) }
```

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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