

Converting Colors

CIELCh(49, 67.890, 307.181)

Have a look what the booklet for
CIELCh(49, 67.890, 307.181)
contains.

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Color

CIELCh(49, 67.816, 307.161)

Conversions

Conversions Part 1

Format	Color
Hex	855ED1
RGB	133, 94, 209
RGB Percent	52%, 37%, 82%
CMY	0.4784, 0.6314, 0.1804
CMYK	0.36, 0.55, 0.00, 0.18
HSL	260°, 56%, 59%
HSV	260°, 55%, 82%
XYZ	25.1826, 17.5941, 62.3866
YIQ	118.7710, -13.6710, 44.0330

Conversions

Conversions Part 2

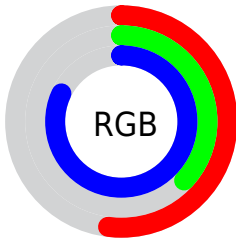
Format	Color
R_{YB}	133, 94, 209
Decimal	8740561
CIE _{Lab}	49.00, 40.96, -54.05
CIE _{LCh}	49, 67.816, 307.161
Yxy	17.5941, 0.2395, 0.1673
Android (android.graphics.Color)	4286930641 (0xFF855ED1)
YUV	118.7710, 44.4829, 12.4788
Hunter-Lab	41.9453, 33.7613, -58.8223

Details

The CIELCh color **49, 67.816, 307.161** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **79, 60.327, 120.412**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 61.446, 308.207**, and **29, 67.754, 306.978** is the 20% darker color. If you saturate the color by 10%, you get **43, 80.430, 307.955**, and if you desaturate by 10%, it is **55, 54.929, 306.335**.

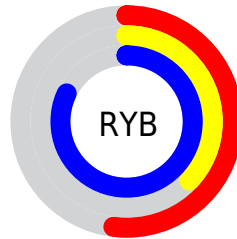
Distribution



Red (52%)

Green (37%)

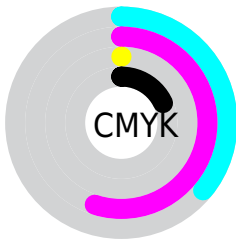
Blue (82%)



Red (52%)

Yellow (37%)

Blue (82%)

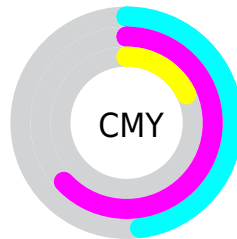


Cyan (36%)

Magenta (55%)

Yellow (0%)

Black (18%)



Cyan (48%)

Magenta (63%)

Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 67.816, 307.161 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, 67.816, 307.161 by changing the saturation by 10% instead.


 49, 67.816,
307.161


 49, 67.816,
307.161


 100, 67.816,
307.161


 39, 67.816,
307.161

 69, 67.816,
307.161


 29, 67.816,
307.161

 79, 67.816,
307.161

 19, 67.816,
307.161

 89, 67.816,
307.161

 9, 67.816, 307.161

 99, 67.816,
307.161

 0, 67.816, 307.161

 49, 67.816,

 49, 67.816,

307.161

43, 80.430,
307.955

38, 92.124,
308.614

34, 101.906,
308.991

30, 108.635,
308.921

29, 111.099,
308.791

307.161

55, 54.929,
306.335

61, 42.138,
305.537

68, 29.632,
304.796

74, 17.495,
304.126

81, 5.756, 303.525

87, 5.582, 123.026

93, 16.531,
122.563

98, 23.671,
118.778

■ 99, 23.233,
108.417

Harmonies

Complementary

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



49, 67.816, 307.161



79, 60.327, 120.412

Rectangle

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



49, 67.816, 307.161



49, 67.816, 357.161



49, 67.816, 127.161



49, 67.816, 177.161

Sweetspot

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



49, 67.815, 307.161



87, 23.349, 304.265



67, 29.642, 244.301



45, 15.671, 304.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 67.815, 307.161



52, 95.909, 308.082



56, 70.205, 322.113



41, 6.548, 303.781



23, 94.387, 308.939



2, 26.077, 301.964

Inverse Universe

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



57, 57.440, 340.609



63, 77.602, 342.025



76, 69.224, 136.358



41, 6.063, 336.544



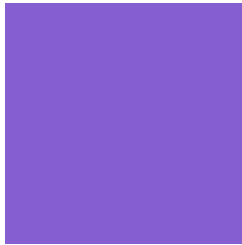
37, 66.126, 347.690



5, 24.010, 343.291

Previews

White Background



This preview shows how the CIELCh color 49, 67.816, 307.161 looks on a white background.

Color Contrast Check

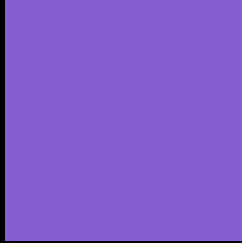
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.816, 307.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

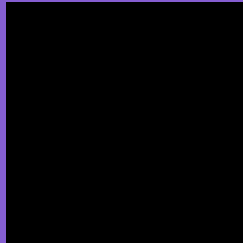
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 67.816, 307.161

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.816, 307.161.



This preview shows how white text looks on a background with the CIELCh color 49, 67.816, 307.161.

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, 67.816, 307.161

Protanopia

49, 67.423, 287.323

Deuteranopia

49, 51.611, 278.564



Tritanopia
49, 5.297, 286.655

Trichromacy



Original Color
49, 67.816, 307.161

Protanomaly
48, 67.290, 292.713

Deuteranomaly
48, 57.064, 289.177

Tritanomaly
49, 28.814, 303.570

Monochromacy



Original Color
49, 67.816, 307.161

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 25.309, 304.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.816, 307.161 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(133, 94, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 94, 209)  
}
```

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(133, 94, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 94, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.816, 307.161 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(133, 94, 209) }
```

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

```
.border{ border-color:rgb(133, 94, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 94, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 94, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 94, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 94,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.816, 307.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 94, 209) }
```

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

```
.background{ background-color: rgb(133, 94,  
209) }
```

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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