

Converting Colors

CIELCh(50, 59.779, 304.951)

Have a look what the booklet for
CIELCh(50, 59.779, 304.951)
contains.

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Color

CIELCh(50, 60.098, 305.155)

Conversions

Conversions Part 1

Format	Color
Hex	8265CB
RGB	130, 101, 203
RGB Percent	51%, 40%, 80%
CMY	0.4895, 0.6033, 0.2032
CMYK	0.36, 0.50, 0.00, 0.20
HSL	257°, 50%, 60%
HSV	257°, 50%, 80%
XYZ	24.7033, 18.4187, 58.8662
YIQ	121.2990, -15.4580, 37.8700

Conversions

Conversions Part 2

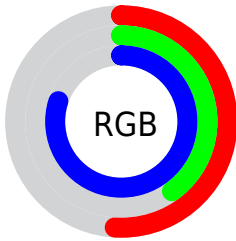
Format	Color
RYB	130, 101, 203
Decimal	8545739
CIELab	50.00, 34.60, -49.14
CIELCh	50, 60.098, 305.155
Yxy	18.4187, 0.2422, 0.1806
Android (android.graphics.Color)	4286735819 (0xFF8265CB)
YUV	121.2990, 40.2786, 7.6308
Hunter-Lab	42.9170, 27.6410, -51.2821

Details

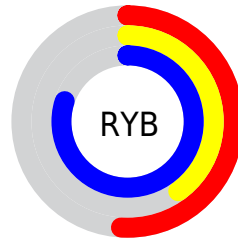
The CIELCh color `50, 60.098, 305.155` is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be `78, 53.661, 118.331`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 56.938, 305.470`, and `30, 60.080, 305.070` is the 20% darker color. If you saturate the color by 10%, you get `44, 72.768, 306.129`, and if you desaturate by 10%, it is `56, 47.450, 304.208`.

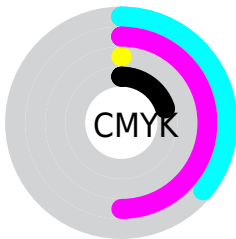
Distribution



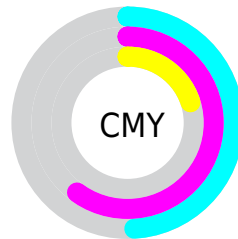
- Red (51%)
- Green (40%)
- Blue (80%)



- Red (51%)
- Yellow (40%)
- Blue (80%)



- Cyan (36%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)





- Cyan (49%)
- Magenta (60%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 60.098, 305.155 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 50, 60.098, 305.155 by changing the saturation by 10% instead.


 50, 60.098,
305.155


 50, 60.098,
305.155


 100, 60.098,
305.155


 40, 60.098,
305.155


 70, 60.098,
305.155

 30, 60.098,
305.155


 80, 60.098,
305.155


 20, 60.098,
305.155

 90, 60.098,
305.155

 10, 60.098,
305.155

 0, 60.098, 305.155

 50, 60.098,
305.155

 50, 60.098,
305.155

44, 72.768,
306.129

56, 47.450,
304.208

39, 84.988,
307.048

63, 35.065,
303.330

34, 95.928,
307.775

69, 23.050,
302.538

30, 104.407,
308.127

75, 11.441,
301.836

27, 109.797,
308.074

82, 0.242, 301.048

88, 10.560,
120.698

94, 20.984,
120.235

98, 26.369,
115.116

99, 26.145,
108.193

Harmonies

Complementary

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



50, 60.098, 305.155



78, 53.661, 118.331

Rectangle

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



50, 60.098, 305.155



50, 60.098, 355.155



50, 60.098, 125.155



50, 60.098, 175.155

Sweetspot

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



50, 60.097, 305.155



89, 20.388, 302.175



68, 26.378, 235.540



46, 13.963, 302.327



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 60.097, 305.155



55, 87.226, 306.186



56, 62.682, 320.410



40, 6.368, 301.783



21, 94.219, 308.201



2, 23.858, 299.742

Inverse Universe

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



57, 53.692, 337.477



66, 74.846, 338.488



75, 61.322, 135.462



40, 6.177, 334.261



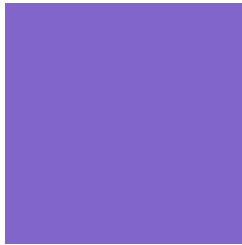
37, 67.644, 343.588



4, 23.017, 339.850

Previews

White Background



This preview shows how the CIELCh color 50, 60.098, 305.155 looks on a white background.

Color Contrast Check

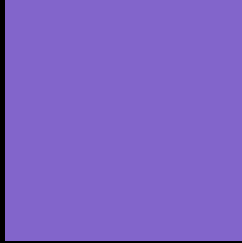
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 60.098, 305.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

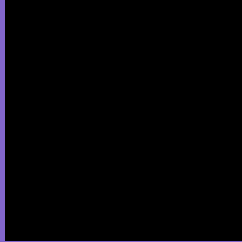
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 60.098, 305.155

Background



This preview shows how black text looks on a background with the CIELCh color 50, 60.098, 305.155.



This preview shows how white text looks on a background with the CIELCh color 50, 60.098, 305.155.

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

50, 60.098, 305.155

Protanopia

50, 59.123, 286.642

Deuteranopia

50, 47.159, 279.049



Tritanopia
50, 6.123, 272.632

Trichromacy



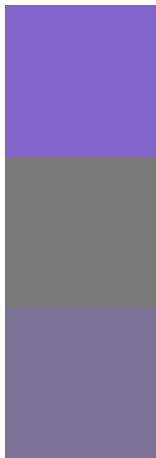
Original Color
50, 60.098, 305.155

Protanomaly
50, 58.878, 292.295

Deuteranomaly
50, 51.525, 289.117

Tritanomaly
50, 25.413, 298.913

Monochromacy



Original Color
50, 60.098, 305.155

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 22.057, 302.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 60.098, 305.155 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(130, 101, 203)` looks like.

```
.text, #text, p{  
    color:rgb(130, 101, 203)  
}
```

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(130, 101, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 101, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 60.098, 305.155 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(130, 101, 203) }
```

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

```
.border{ border-color:rgb(130, 101, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 101, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 101, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 101, 203);  
box-shadow:4px 4px 4px 4px rgb(130, 101,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 60.098, 305.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 101, 203) }
```

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

```
.background{ background-color: rgb(130,  
101, 203) }
```

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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