

Converting Colors

CIELCh(50, 70.513, 305.726)

Have a look what the booklet for
CIELCh(50, 70.513, 305.726)
contains.

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Color

CIELCh(50, 70.235, 305.644)

Conversions

Conversions Part 1

Format	Color
Hex	8361D9
RGB	131, 97, 217
RGB Percent	51%, 38%, 85%
CMY	0.4858, 0.6192, 0.1486
CMYK	0.40, 0.55, 0.00, 0.15
HSL	257°, 61%, 62%
HSV	257°, 55%, 85%
XYZ	26.2017, 18.4187, 67.8994
YIQ	120.8460, -18.2560, 44.5280

Conversions

Conversions Part 2

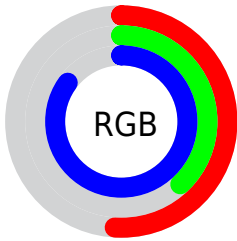
Format	Color
RYB	131, 97, 217
Decimal	8610265
CIELab	50.00, 40.93, -57.08
CIELCh	50, 70.235, 305.644
Yxy	18.4187, 0.2329, 0.1637
Android (android.graphics.Color)	4286800345 (0xFF8361D9)
YUV	120.8460, 47.4039, 8.9051
Hunter-Lab	42.9170, 33.8732, -63.7616

Details

The CIELCh color `50, 70.235, 305.644` is a light color, and the websafe version is hex `9966CC`. A complement of this color would be `82, 61.748, 118.058`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 59.499, 306.997`, and `30, 69.935, 305.528` is the 20% darker color. If you saturate the color by 10%, you get `44, 83.441, 306.610`, and if you desaturate by 10%, it is `56, 56.827, 304.669`.

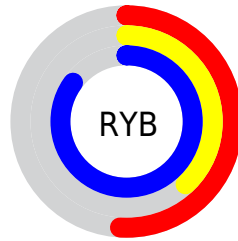
Distribution



Red (51%)

Green (38%)

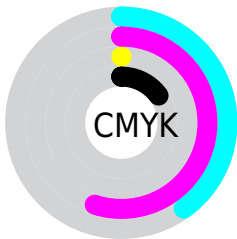
Blue (85%)



Red (51%)

Yellow (38%)

Blue (85%)

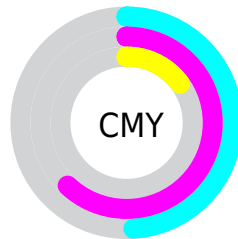


Cyan (40%)

Magenta (55%)

Yellow (0%)

Black (15%)



Cyan (49%)


Magenta (62%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 70.235, 305.644 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, 70.235, 305.644 by changing the saturation by 10% instead.


 50, 70.235,
305.644


 50, 70.235,
305.644


 100, 70.235,
305.644


 40, 70.235,
305.644


 70, 70.235,
305.644

 30, 70.235,
305.644

 80, 70.235,
305.644


 20, 70.235,
305.644

 90, 70.235,
305.644

 10, 70.235,
305.644

 0, 70.235, 305.644

 50, 70.235,
305.644

 50, 70.235,
305.644

44, 83.441,
306.610

56, 56.827,
304.669

38, 95.755,
307.453

63, 43.590,
303.745

34, 106.072,
308.008

70, 30.699,
302.902

31, 113.081,
308.085

76, 18.226,
302.149

29, 115.472,
308.026

83, 6.187, 301.484

90, 5.421, 120.924

97, 16.619,
120.419

99, 19.151,
108.729

Harmonies

Complementary

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



50, 70.235, 305.644



82, 61.748, 118.058

Rectangle

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



50, 70.235, 305.644



50, 70.235, 355.644



50, 70.235, 125.644



50, 70.235, 175.644

Sweetspot

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



50, 70.234, 305.644



87, 23.187, 302.284



71, 29.934, 236.710



45, 15.566, 302.432



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, 70.234, 305.644



51, 96.135, 306.731



57, 72.269, 320.570



42, 6.758, 301.751



23, 97.468, 308.158



3, 30.133, 301.941

Inverse Universe

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



59, 61.604, 337.922



64, 80.338, 339.075



79, 70.647, 135.122



43, 6.562, 334.227



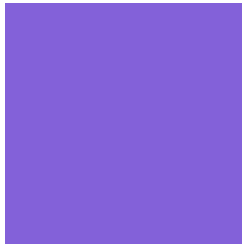
39, 69.938, 343.587



6, 28.338, 340.323

Previews

White Background



This preview shows how the CIELCh color 50, 70.235, 305.644 looks on a white background.

Color Contrast Check

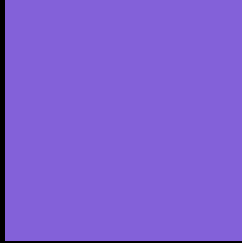
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.235, 305.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

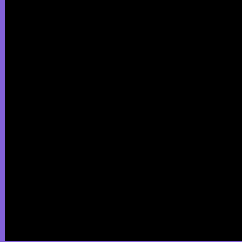
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 70.235, 305.644

Background



This preview shows how black text looks on a background with the CIELCh color 50, 70.235, 305.644.



This preview shows how white text looks on a background with the CIELCh color 50, 70.235, 305.644.

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
50, 6.221, 257.266

Trichromacy



Original Color
50, 70.235, 305.644

Protanomaly
49, 70.549, 292.426

Deuteranomaly
49, 59.900, 287.702

Tritanomaly
50, 28.899, 297.879

Monochromacy



Original Color
50, 70.235, 305.644

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 26.309, 303.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 70.235, 305.644 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(131, 97, 217)` looks like.

```
.text, #text, p{  
    color:rgb(131, 97, 217)  
}
```

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(131, 97, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 97, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 70.235, 305.644 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(131, 97, 217) }
```

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

```
.border{ border-color:rgb(131, 97, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 97, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 97, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 97, 217); box-shadow:4px 4px 4px 4px rgb(131, 97, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 70.235, 305.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 97, 217) }
```

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

```
.background{ background-color: rgb(131, 97,  
217) }
```

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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