

Converting Colors

CIELCh(65, 60.967, 305.997)

Have a look what the booklet for
CIELCh(65, 60.967, 305.997)
contains.

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Color

CIELCh(65, 60.440, 305.872)

Conversions

Conversions Part 1

Format	Color
Hex	AE8BF6
RGB	174, 139, 246
RGB Percent	68%, 55%, 96%
CMY	0.3182, 0.4555, 0.0359
CMYK	0.29, 0.44, 0.00, 0.04
HSL	260°, 85%, 75%
HSV	260°, 44%, 96%
XYZ	43.2416, 34.0472, 91.3507
YIQ	161.6630, -13.4870, 40.6970

Conversions

Conversions Part 2

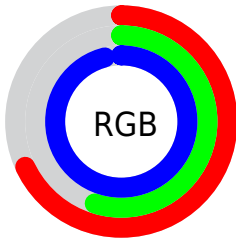
Format	Color
RYB	174, 139, 246
Decimal	11439094
CIELab	65.00, 35.42, -48.98
CIElCh	65, 60.440, 305.872
Yxy	34.0472, 0.2564, 0.2019
Android (android.graphics.Color)	4289629174 (0xFFAE8BF6)
YUV	161.6630, 41.5781, 10.8195
Hunter-Lab	58.3500, 30.1691, -51.9775

Details

The CIELCh color `65, 60.440, 305.872` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `92, 55.209, 120.400`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 35.467, 314.501`, and `45, 60.531, 305.800` is the 20% darker color. If you saturate the color by 10%, you get `58, 75.169, 306.735`, and if you desaturate by 10%, it is `72, 45.870, 305.047`.

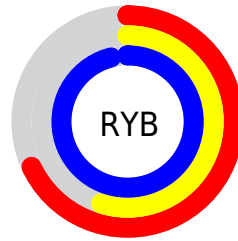
Distribution



Red (68%)

Green (55%)

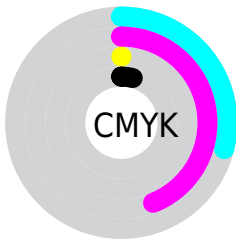
Blue (96%)



Red (68%)

Yellow (55%)

Blue (96%)

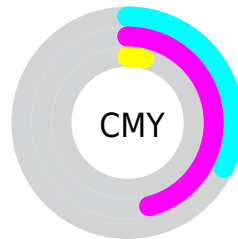


Cyan (29%)

Magenta (44%)

Yellow (0%)

Black (4%)



Cyan (32%)


Magenta (46%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 60.440, 305.872 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 65, 60.440, 305.872 by changing the saturation by 10% instead.


 65, 60.440,
305.872


 65, 60.440,
305.872


 100, 60.440,
305.872


 55, 60.440,
305.872


 85, 60.440,
305.872

 45, 60.440,
305.872

 95, 60.440,
305.872

 35, 60.440,
305.872

 25, 60.440,
305.872

 15, 60.440,
305.872

 5, 60.440, 305.872

 0, 60.440, 305.872

65, 60.440,
305.872

65, 60.440,
305.872

58, 75.169,
306.735

72, 45.870,
305.047

51, 89.666,
307.578

80, 31.657,
304.288

45, 103.209,
308.299

87, 17.886,
303.606

40, 114.666,
308.748

94, 4.580, 302.993

36, 122.675,
308.747

100, 4.635,
109.815

35, 125.977,
308.527

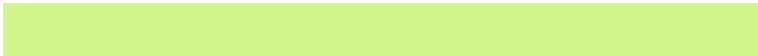
Harmonies

Complementary

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



65, 60.440, 305.872



92, 55.209, 120.400

Rectangle

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



65, 60.440, 305.872



65, 60.440, 355.872



65, 60.440, 125.872



65, 60.440, 175.872

Sweetspot

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



65, 60.439, 305.872



90, 17.704, 303.574



81, 27.614, 239.237



47, 12.435, 303.718



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 60.439, 305.872



61, 75.139, 306.612



70, 64.147, 321.223



47, 7.443, 303.352



25, 102.028, 308.690



4, 40.939, 307.399

Inverse Universe

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



71, 53.405, 338.883



69, 64.682, 339.742



89, 63.128, 136.747



48, 6.962, 336.037



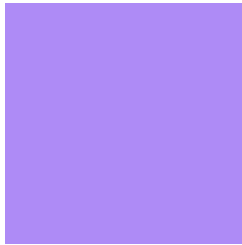
41, 71.657, 346.942



10, 32.736, 343.720

Previews

White Background



This preview shows how the CIELCh color 65, 60.440, 305.872 looks on a white background.

Color Contrast Check

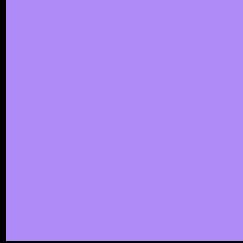
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 65, 60.440, 305.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

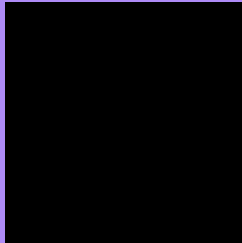
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 60.440, 305.872

Background



This preview shows how black text looks on a background with the CIELCh color 65, 60.440, 305.872.



This preview shows how white text looks on a background with the CIELCh color 65, 60.440, 305.872.

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
65, 60.440, 305.872

Protanopia
65, 55.763, 285.766

Deuteranopia
65, 47.877, 281.529



Tritanopia
65, 6.790, 300.354

Trichromacy



Original Color
65, 60.440, 305.872



Protanomaly
65, 57.166, 292.832



Deuteranomaly
65, 51.704, 291.304



Tritanomaly
65, 26.199, 303.474

Monochromacy



Original Color
65, 60.440, 305.872



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 21.616, 303.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 60.440, 305.872 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(174, 139, 246)` looks like.

```
.text, #text, p{  
    color:rgb(174, 139, 246)  
}
```

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(174, 139, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 139, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 60.440, 305.872 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(174, 139, 246) }
```

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

```
.border{ border-color:rgb(174, 139, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 139, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 139, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 139, 246);  
box-shadow:4px 4px 4px 4px rgb(174, 139,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 60.440, 305.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 139, 246) }
```

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

```
.background{ background-color: rgb(174,  
139, 246) }
```

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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