

Converting Colors

CIELCh(65, 50.450, 311.175)

Have a look what the booklet for
CIELCh(65, 50.450, 311.175)
contains.

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Color

CIELCh(65, 50.499, 311.183)

Conversions

Conversions Part 1

Format	Color
Hex	B78BE2
RGB	183, 139, 226
RGB Percent	72%, 55%, 89%
CMY	0.2821, 0.4547, 0.1135
CMYK	0.19, 0.38, 0.00, 0.11
HSL	270°, 60%, 72%
HSV	270°, 38%, 89%
XYZ	42.5155, 34.0472, 76.3217
YIQ	162.0740, -1.7030, 36.3850

Conversions

Conversions Part 2

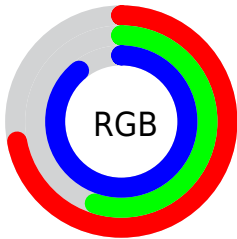
Format	Color
R_{YB}	183, 139, 226
Decimal	12028898
CIE _{Lab}	65.00, 33.25, -38.01
CIE _{LCh}	65, 50.499, 311.183
Yxy	34.0472, 0.2781, 0.2227
Android (android.graphics.Color)	4290218978 (0xFFB78BE2)
YUV	162.0740, 31.5155, 18.3521
Hunter-Lab	58.3500, 27.9480, -36.7063

Details

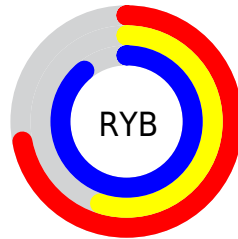
The CIELCh color $65, 50.499, 311.183$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85, 47.809, 127.462$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 36.499, 318.604$, and $45, 50.405, 311.098$ is the 20% darker color. If you saturate the color by 10%, you get $59, 64.016, 311.716$, and if you desaturate by 10%, it is $71, 36.995, 310.643$.

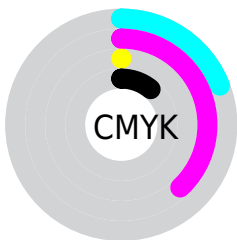
Distribution



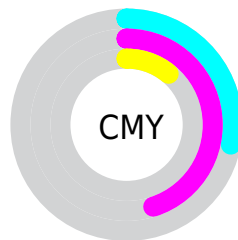
- Red (72%)
- Green (55%)
- Blue (89%)



- Red (72%)
- Yellow (55%)
- Blue (89%)



- Cyan (19%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)





- Cyan (28%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 50.499, 311.183 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, 50.499, 311.183 by changing the saturation by 10% instead.


 65, 50.499,
311.183


 65, 50.499,
311.183


 100, 50.499,
311.183


 55, 50.499,
311.183


 85, 50.499,
311.183

 45, 50.499,
311.183

 95, 50.499,
311.183

 35, 50.499,
311.183

 25, 50.499,
311.183

 15, 50.499,
311.183

 5, 50.499, 311.183

 0, 50.499, 311.183

65, 50.499,
311.183

65, 50.499,
311.183

59, 64.016,
311.716

71, 36.995,
310.643

53, 77.212,
312.199

78, 23.706,
310.123

48, 89.540,
312.565

84, 10.733,
309.634

43, 100.218,
312.718

91, 1.872, 129.276

39, 108.321,
312.543

97, 14.093,
128.819

37, 113.296,
311.973

99, 14.774,
115.999

36, 113.940,
311.881

99, 14.645,
109.071

Harmonies

Complementary

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



65, 50.499, 311.183



85, 47.809, 127.462

Rectangle

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



65, 50.499, 311.183



65, 50.499, 1.183



65, 50.499, 131.183



65, 50.499, 181.183

Sweetspot

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



65, 50.497, 311.183



91, 16.818, 309.806



73, 26.663, 261.996



48, 11.176, 309.870



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, 50.497, 311.183



67, 66.905, 311.602



70, 55.346, 326.506



44, 7.148, 309.679



27, 94.315, 312.069



4, 33.520, 310.527

Inverse Universe

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



68, 39.730, 347.800



72, 52.074, 348.858



83, 55.440, 141.541



44, 5.724, 344.711



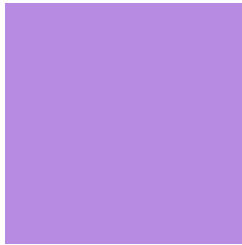
38, 64.119, 2.377



6, 26.374, 355.160

Previews

White Background



This preview shows how the CIELCh color 65, 50.499, 311.183 looks on a white background.

Color Contrast Check

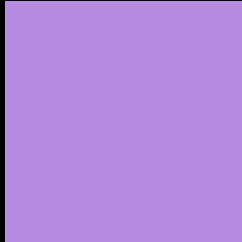
Large Text (above 18pt) WCAG AA × Fail

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, 50.499, 311.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

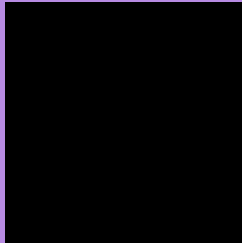
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 50.499, 311.183

Background



This preview shows how black text looks on a background with the CIELCh color 65, 50.499, 311.183.



This preview shows how white text looks on a background with the CIELCh color 65, 50.499, 311.183.

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
65, 10.464, 340.903

Trichromacy



Original Color
65, 50.499, 311.183

Protanomaly
65, 47.294, 294.586

Deuteranomaly
65, 41.221, 295.226

Tritanomaly
65, 24.860, 318.204

Monochromacy



Original Color
65, 50.499, 311.183

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 18.245, 310.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 50.499, 311.183 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(183, 139, 226)` looks like.

```
.text, #text, p{  
    color:rgb(183, 139, 226)  
}
```

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(183, 139, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 139, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 50.499, 311.183 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(183, 139, 226) }
```

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

```
.border{ border-color:rgb(183, 139, 226) }
```

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

Here you see how a box with a 4 pixel rgb(183, 139, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 139, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 139, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 139,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 50.499, 311.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 139, 226) }
```

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

```
.background{ background-color: rgb(183,  
139, 226) }
```

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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