

Converting Colors

CIELCh(65, 50.267, 314.593)

Have a look what the booklet for
CIELCh(65, 50.267, 314.593)
contains.

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Color

CIELCh(65, 50.244, 314.573)

Conversions

Conversions Part 1

Format	Color
Hex	BD89DE
RGB	189, 137, 222
RGB Percent	74%, 54%, 87%
CMY	0.2583, 0.4622, 0.1288
CMYK	0.15, 0.38, 0.00, 0.13
HSL	277°, 56%, 70%
HSV	277°, 38%, 87%
XYZ	43.1896, 34.0472, 73.5033
YIQ	162.2380, 3.7070, 37.4590

Conversions

Conversions Part 2

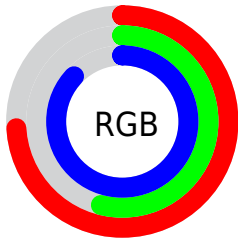
Format	Color
R_{YB}	189, 137, 222
Decimal	12421598
CIE _{Lab}	65.00, 35.26, -35.79
CIE _{LCh}	65, 50.244, 314.573
Yxy	34.0472, 0.2865, 0.2259
Android (android.graphics.Color)	4290611678 (0xFFBD89DE)
YUV	162.2380, 29.4627, 23.4703
Hunter-Lab	58.3500, 30.0099, -33.8425

Details

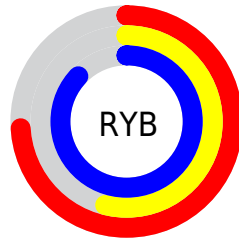
The CIELCh color $65, 50.244, 314.573$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83, 48.274, 131.083$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 38.644, 321.731$, and $45, 49.943, 314.593$ is the 20% darker color. If you saturate the color by 10%, you get $59, 63.479, 315.004$, and if you desaturate by 10%, it is $71, 36.866, 314.114$.

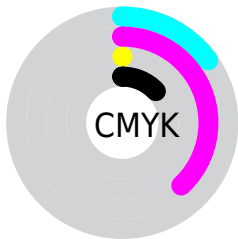
Distribution



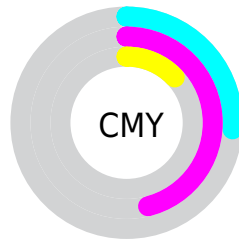
- Red (74%)
- Green (54%)
- Blue (87%)



- Red (74%)
- Yellow (54%)
- Blue (87%)



- Cyan (15%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (26%)
- Magenta (46%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 50.244, 314.573 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, 50.244, 314.573 by changing the saturation by 10% instead.


 65, 50.244,
314.573


 65, 50.244,
314.573


 100, 50.244,
314.573


 55, 50.244,
314.573


 85, 50.244,
314.573

 45, 50.244,
314.573

 95, 50.244,
314.573

 35, 50.244,
314.573

 25, 50.244,
314.573

 15, 50.244,
314.573

 5, 50.244, 314.573

 0, 50.244, 314.573

65, 50.244,
314.573

65, 50.244,
314.573

59, 63.479,
315.004

71, 36.866,
314.114

54, 76.197,
315.364

77, 23.589,
313.653

49, 87.839,
315.593

83, 10.551,
313.204

45, 97.680,
315.615

90, 2.169, 132.884

41, 104.945,
315.340

96, 14.536,
132.439

39, 109.268,
314.721

98, 17.461,
125.956

39, 109.896,
314.605

99, 16.762,
115.786

99, 16.619,
108.921

Harmonies

Complementary

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



65, 50.244, 314.573



83, 48.274, 131.083

Rectangle

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



65, 50.244, 314.573



65, 50.244, 4.573



65, 50.244, 134.573



65, 50.244, 184.573

Sweetspot

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



65, 50.242, 314.573



92, 15.754, 313.330



69, 29.449, 271.969



48, 10.603, 313.391



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, 50.242, 314.573



69, 67.670, 314.925



68, 50.748, 329.508



44, 7.317, 313.257



30, 92.218, 314.773



4, 34.265, 314.526

Inverse Universe

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



67, 36.909, 354.436



71, 49.569, 355.733



82, 50.787, 144.294



44, 5.353, 350.959



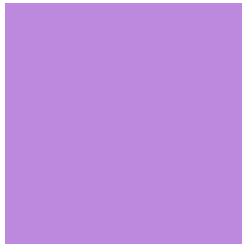
37, 64.323, 12.604



6, 25.632, 2.501

Previews

White Background



This preview shows how the CIELCh color 65, 50.244, 314.573 looks on a white background.

Color Contrast Check

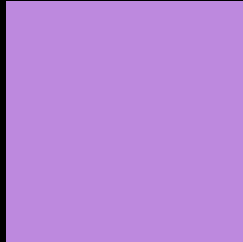
Large Text (above 18pt) WCAG AA × Fail

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, 50.244, 314.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

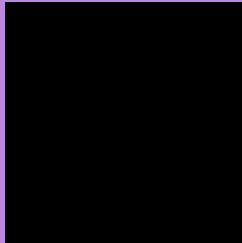
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 50.244, 314.573

Background



This preview shows how black text looks on a background with the CIELCh color 65, 50.244, 314.573.

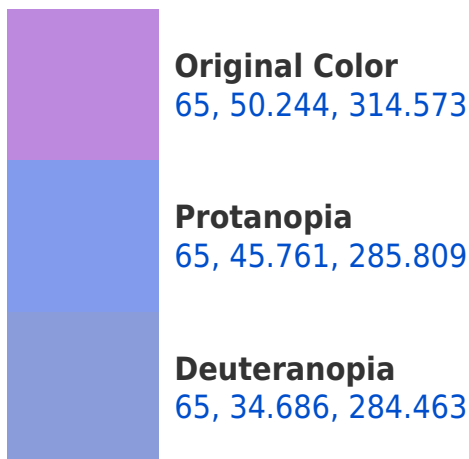


This preview shows how white text looks on a background with the CIELCh color 65, 50.244, 314.573.

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, 13.364, 350.946

Trichromacy



Original Color
65, 50.244, 314.573

Protanomaly
65, 46.211, 295.951

Deuteranomaly
65, 39.697, 297.865

Tritanomaly
65, 25.813, 324.861

Monochromacy



Original Color
65, 50.244, 314.573

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 18.637, 313.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 50.244, 314.573 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(189, 137, 222)` looks like.

```
.text, #text, p{  
    color:rgb(189, 137, 222)  
}
```

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(189, 137, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 137, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 50.244, 314.573 is called "border". The border property can be set on classes, ids or directly on the HTML element.

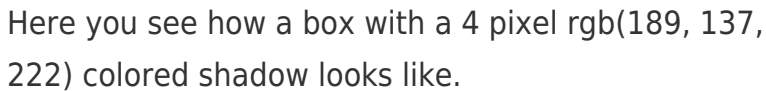
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 137, 222) }
```

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

```
.border{ border-color:rgb(189, 137, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 137, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 137, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 137, 222);  
box-shadow:4px 4px 4px 4px rgb(189, 137,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 50.244, 314.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 137, 222) }
```

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

```
.background{ background-color: rgb(189,  
137, 222) }
```

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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