

Converting Colors

CIELCh(65, 49.140, 315.744)

Have a look what the booklet for
CIELCh(65, 49.140, 315.744)
contains.

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Color

CIELCh(65, 48.950, 316.025)

Conversions

Conversions Part 1

Format	Color
Hex	BF89DB
RGB	191, 137, 219
RGB Percent	75%, 54%, 86%
CMY	0.2513, 0.4630, 0.1415
CMYK	0.13, 0.37, 0.00, 0.14
HSL	280°, 53%, 70%
HSV	280°, 37%, 86%
XYZ	43.1776, 34.0472, 71.2598
YIQ	162.4940, 5.8620, 36.9500

Conversions

Conversions Part 2

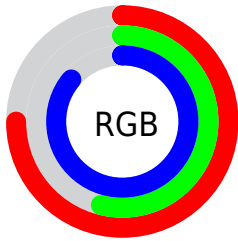
Format	Color
R_{YB}	191, 137, 219
Decimal	12552667
CIE _{Lab}	65.00, 35.23, -33.99
CIE _{LCh}	65, 48.950, 316.025
Yxy	34.0472, 0.2908, 0.2293
Android (android.graphics.Color)	4290742747 (0xFFBF89DB)
YUV	162.4940, 27.8575, 24.9998
Hunter-Lab	58.3500, 29.9732, -31.5628

Details

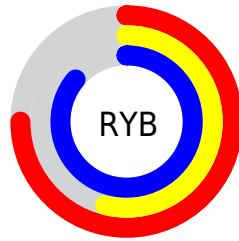
The CIELCh color `65, 48.950, 316.025` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `82, 47.358, 132.614`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 38.958, 322.661`, and `45, 49.046, 315.851` is the 20% darker color. If you saturate the color by 10%, you get `59, 62.024, 316.432`, and if you desaturate by 10%, it is `71, 35.686, 315.585`.

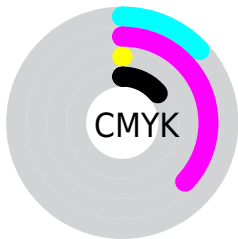
Distribution



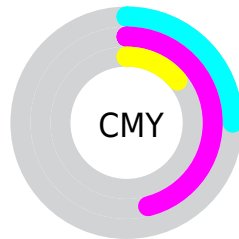
- Red (75%)
- Green (54%)
- Blue (86%)



- Red (75%)
- Yellow (54%)
- Blue (86%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (25%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 48.950, 316.025 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, 48.950, 316.025 by changing the saturation by 10% instead.

 65, 48.950,
316.025

 65, 48.950,
316.025


 100, 48.950,
316.025


 55, 48.950,
316.025


 85, 48.950,
316.025

 45, 48.950,
316.025

 95, 48.950,
316.025

 35, 48.950,
316.025

 25, 48.950,
316.025

 15, 48.950,
316.025

 5, 48.950, 316.025

 0, 48.950, 316.025

65, 48.950,
316.025

65, 48.950,
316.025

59, 62.024,
316.432

71, 35.686,
315.585

54, 74.533,
316.767

77, 22.486,
315.138

50, 85.931,
316.974

83, 9.498, 314.696

46, 95.527,
316.986

89, 3.192, 134.363

42, 102.612,
316.725

95, 15.541,
133.939


40, 106.800,
316.142

98, 19.635,
129.585

40, 107.649,
315.975

98, 18.796,
121.977

99, 18.326,
113.704

 99, 18.242,
108.798

Harmonies

Complementary

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



65, 48.950, 316.025



82, 47.358, 132.614

Rectangle

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



65, 48.950, 316.025



65, 48.950, 6.025



65, 48.950, 136.025



65, 48.950, 186.025

Sweetspot

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



65, 48.948, 316.025



92, 15.931, 314.857



68, 30.334, 276.002



48, 10.720, 314.917



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, 48.948, 316.025



70, 66.601, 316.352



68, 47.483, 331.147



43, 7.261, 314.784



31, 90.366, 316.135



4, 32.493, 315.729

Inverse Universe

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



66, 34.996, 357.484



72, 47.688, 358.809



81, 47.436, 145.885



43, 5.114, 353.981



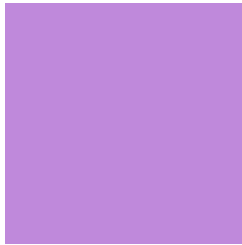
36, 64.459, 16.995



6, 24.027, 4.689

Previews

White Background



This preview shows how the CIELCh color 65, 48.950, 316.025 looks on a white background.

Color Contrast Check

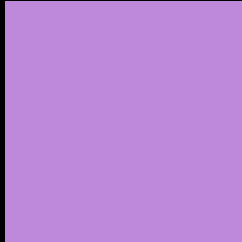
Large Text (above 18pt) WCAG AA × Fail

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, 48.950, 316.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

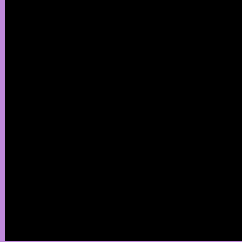
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 48.950, 316.025

Background



This preview shows how black text looks on a background with the CIELCh color 65, 48.950, 316.025.

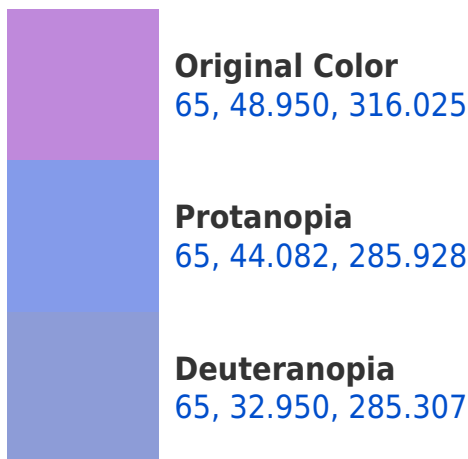


This preview shows how white text looks on a background with the CIELCh color 65, 48.950, 316.025.

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, 14.410, 353.435

Trichromacy



Original Color
65, 48.950, 316.025



Protanomaly
65, 45.183, 296.678



Deuteranomaly
65, 37.550, 298.909



Tritanomaly
65, 25.325, 327.741

Monochromacy



Original Color
65, 48.950, 316.025



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 18.269, 315.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 48.950, 316.025 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(191, 137, 219)` looks like.

```
.text, #text, p{  
    color:rgb(191, 137, 219)  
}
```

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(191, 137, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 137, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 48.950, 316.025 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(191, 137, 219) }
```

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

```
.border{ border-color:rgb(191, 137, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 137, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 137, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 137, 219);  
box-shadow:4px 4px 4px 4px rgb(191, 137,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 48.950, 316.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 137, 219) }
```

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

```
.background{ background-color: rgb(191,  
137, 219) }
```

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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