

Converting Colors

CIELCh(64, 45.667, 314.004)

Have a look what the booklet for
CIELCh(64, 45.667, 314.004)
contains.

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Color

CIELCh(64, 45.667, 314.004)

Conversions

Conversions Part 1

Format	Color
Hex	B789D6
RGB	183, 137, 214
RGB Percent	72%, 54%, 84%
CMY	0.2824, 0.4628, 0.1609
CMYK	0.14, 0.36, 0.00, 0.16
HSL	276°, 48%, 69%
HSV	276°, 36%, 84%
XYZ	40.5981, 32.8017, 67.7911
YIQ	159.5320, 2.6990, 33.6990

Conversions

Conversions Part 2

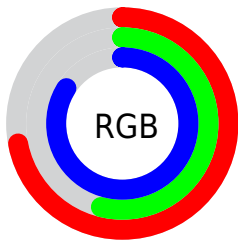
Format	Color
R_{YB}	183, 137, 214
Decimal	12028374
CIE _{Lab}	64.00, 31.73, -32.85
CIE _{LCh}	64, 45.667, 314.004
Yxy	32.8017, 0.2875, 0.2323
Android (android.graphics.Color)	4290218454 (0xFFB789D6)
YUV	159.5320, 26.8527, 20.5814
Hunter-Lab	57.2727, 26.3035, -30.0879

Details

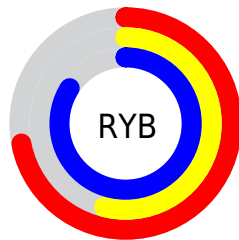
The CIELCh color $64, 45.667, 314.004$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81, 43.912, 130.730$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 37.760, 318.873$, and $44, 45.868, 314.146$ is the 20% darker color. If you saturate the color by 10%, you get $58, 58.570, 314.454$, and if you desaturate by 10%, it is $70, 32.710, 313.536$.

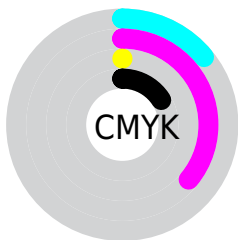
Distribution



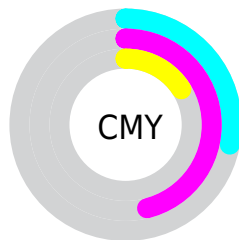
- Red (72%)
- Green (54%)
- Blue (84%)



- Red (72%)
- Yellow (54%)
- Blue (84%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)




- Cyan (28%)
- Magenta (46%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 45.667, 314.004 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 64, 45.667, 314.004 by changing the saturation by 10% instead.


 64, 45.667,
314.004


 64, 45.667,
314.004


 100, 45.667,
314.004

 54, 45.667,
314.004


 84, 45.667,
314.004

 44, 45.667,
314.004

 94, 45.667,
314.004

 34, 45.667,
314.004

 24, 45.667,
314.004

 14, 45.667,
314.004

 4, 45.667, 314.004

 0, 45.667, 314.004

64, 45.667,
314.004

64, 45.667,
314.004

58, 58.570,
314.454

70, 32.710,
313.536

53, 71.103,
314.847

76, 19.905,
313.074

48, 82.773,
315.128

82, 7.362, 312.624

44, 92.909,
315.222

88, 4.857, 132.271

40, 100.743,
315.038

94, 16.728,
131.878

38, 105.667,
314.498

98, 22.133,
128.189

37, 107.148,
314.231

98, 21.230,
120.312

99, 20.776,
111.780

 99, 20.733,
108.608

Harmonies

Complementary

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



64, 45.667, 314.004



81, 43.912, 130.730

Rectangle

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



64, 45.667, 314.004



64, 45.667, 4.004



64, 45.667, 134.004



64, 45.667, 184.004

Sweetspot

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



64, 45.665, 314.004



92, 15.702, 312.854



68, 26.300, 269.915



48, 10.568, 312.915



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 45.665, 314.004



70, 63.121, 314.342



67, 46.924, 328.837



42, 7.018, 312.778



29, 90.485, 314.401



4, 29.737, 312.451

Inverse Universe

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



66, 33.867, 353.148



73, 46.672, 354.259



79, 46.946, 144.052



42, 5.196, 350.057



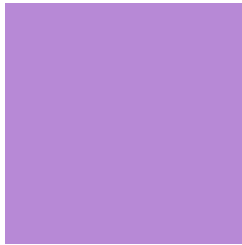
36, 62.759, 11.087



5, 22.747, 0.511

Previews

White Background



This preview shows how the CIELCh color 64, 45.667, 314.004 looks on a white background.

Color Contrast Check

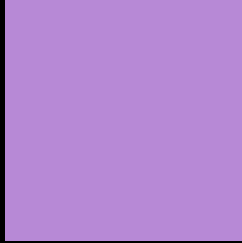
Large Text (above 18pt) WCAG AA × Fail

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 64, 45.667, 314.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

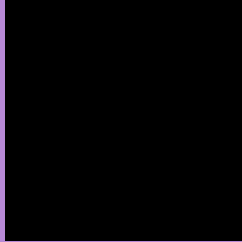
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 45.667, 314.004

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.667, 314.004.



This preview shows how white text looks on a background with the CIELCh color 64, 45.667, 314.004.

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
64, 45.667, 314.004

Protanopia
64, 41.444, 285.408

Deuteranopia
64, 32.482, 285.709



Tritanopia
64, 12.068, 347.058

Trichromacy



Original Color
64, 45.667, 314.004

Protanomaly
64, 41.920, 295.748

Deuteranomaly
64, 36.485, 297.997

Tritanomaly
64, 23.529, 323.150

Monochromacy



Original Color
64, 45.667, 314.004

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 16.724, 312.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.667, 314.004 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, 137, 214)` looks like.

```
.text, #text, p{  
    color:rgb(183, 137, 214)  
}
```

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, 137, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 137, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.667, 314.004 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, 137, 214) }
```

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

```
.border{ border-color:rgb(183, 137, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 137, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 137, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 137, 214);  
box-shadow:4px 4px 4px 4px rgb(183, 137,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.667, 314.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 137, 214) }
```

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

```
.background{ background-color: rgb(183,  
137, 214) }
```

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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