

Converting Colors

CIELCh(63, 45.098, 315.787)

Have a look what the booklet for
CIELCh(63, 45.098, 315.787)
contains.

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Color

CIELCh(63, 45.098, 315.787)

Conversions

Conversions Part 1

Format	Color
Hex	B786D1
RGB	183, 134, 209
RGB Percent	72%, 53%, 82%
CMY	0.2836, 0.4756, 0.1816
CMYK	0.12, 0.36, 0.00, 0.18
HSL	279°, 45%, 67%
HSV	279°, 36%, 82%
XYZ	39.4095, 31.5869, 64.1386
YIQ	157.2010, 5.1290, 33.7130

Conversions

Conversions Part 2

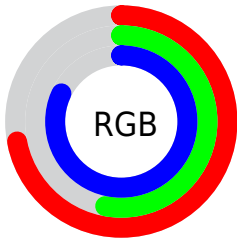
Format	Color
R_{YB}	183, 134, 209
Decimal	12027601
CIE _{Lab}	63.00, 32.32, -31.45
CIE _{LCh}	63, 45.098, 315.787
Yxy	31.5869, 0.2916, 0.2337
Android (android.graphics.Color)	4290217681 (0xFFB786D1)
YUV	157.2010, 25.5369, 22.6257
Hunter-Lab	56.2022, 26.8117, -28.3208

Details

The CIELCh color $63, 45.098, 315.787$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $79, 43.667, 132.536$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 39.650, 319.251$, and $43, 45.214, 316.001$ is the 20% darker color. If you saturate the color by 10%, you get $58, 57.726, 316.203$, and if you desaturate by 10%, it is $69, 32.343, 315.344$.

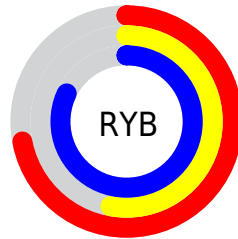
Distribution



Red (72%)

Green (53%)

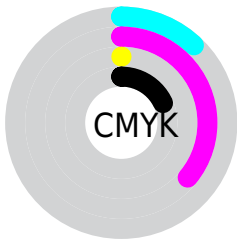
Blue (82%)



Red (72%)

Yellow (53%)

Blue (82%)

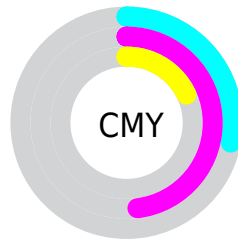


Cyan (12%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (28%)


Magenta (48%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 45.098, 315.787 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 63, 45.098, 315.787 by changing the saturation by 10% instead.


 63, 45.098,
315.787


 63, 45.098,
315.787


 100, 45.098,
315.787


 53, 45.098,
315.787


 83, 45.098,
315.787

 43, 45.098,
315.787

 93, 45.098,
315.787

 33, 45.098,
315.787

 23, 45.098,
315.787

 13, 45.098,
315.787

 3, 45.098, 315.787

 0, 45.098, 315.787

63, 45.098,
315.787

63, 45.098,
315.787

58, 57.726,
316.203

69, 32.343,
315.344

52, 69.892,
316.555

74, 19.682,
314.898

48, 81.104,
316.792

80, 7.245, 314.456

44, 90.719,
316.845

86, 4.897, 134.112

41, 98.040,
316.640

92, 16.707,
133.714


38, 102.565,
316.110

97, 25.829,
132.476

38, 103.937,
315.847

97, 24.820,
127.081

98, 24.054,
121.193

 98, 23.566,
114.904

Harmonies

Complementary

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



63, 45.098, 315.787



79, 43.667, 132.536

Rectangle

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



63, 45.098, 315.787



63, 45.098, 5.787



63, 45.098, 135.787



63, 45.098, 185.787

Sweetspot

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



63, 45.096, 315.787



92, 15.911, 314.686



66, 27.957, 275.648



48, 10.707, 314.747



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 45.096, 315.787



71, 63.606, 316.106



65, 43.876, 331.043



41, 6.973, 314.611



30, 88.471, 316.002



3, 27.889, 313.866

Inverse Universe

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



64, 32.324, 356.872



73, 45.652, 358.083



78, 43.815, 146.052



41, 4.931, 353.626



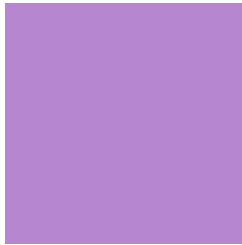
35, 62.907, 16.360



5, 20.696, 3.118

Previews

White Background



This preview shows how the CIELCh color 63, 45.098, 315.787 looks on a white background.

Color Contrast Check

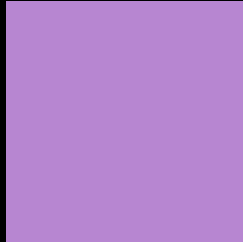
Large Text (above 18pt) WCAG AA × Fail

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 63, 45.098, 315.787 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 63, 45.098, 315.787

Background



This preview shows how black text looks on a background with the CIELCh color 63, 45.098, 315.787.

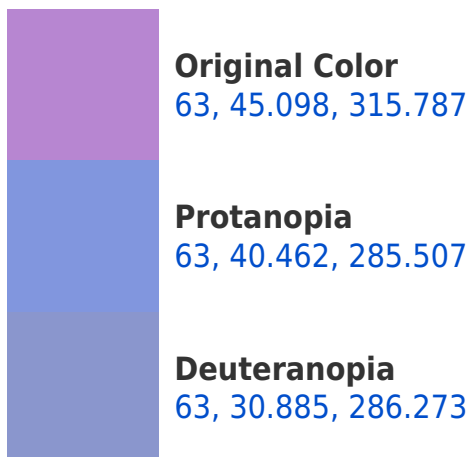


This preview shows how white text looks on a background with the CIELCh color 63, 45.098, 315.787.

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
63, 13.196, 353.124

Trichromacy



Original Color
63, 45.098, 315.787

Protanomaly
63, 40.982, 296.623

Deuteranomaly
63, 35.009, 299.195

Tritanomaly
63, 23.493, 327.873

Monochromacy



Original Color
63, 45.098, 315.787

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 16.400, 314.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 45.098, 315.787 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, 134, 209)` looks like.

```
.text, #text, p{  
    color:rgb(183, 134, 209)  
}
```

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, 134, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 134, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 45.098, 315.787 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, 134, 209) }
```

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

```
.border{ border-color:rgb(183, 134, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 134, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 134, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 134, 209);  
box-shadow:4px 4px 4px 4px rgb(183, 134,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 45.098, 315.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 134, 209) }
```

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

```
.background{ background-color: rgb(183,  
134, 209) }
```

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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