

# Converting Colors

CIELCh(62, 52.852, 316.547)

Have a look what the booklet for  
CIELCh(62, 52.852, 316.547)  
contains.

<b>CIELCh(62, 52.852, 316.547)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(62, 52.852, 316.547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA7FD7
RGB	186, 127, 215
RGB Percent	73%, 50%, 84%
CMY	0.2717, 0.5030, 0.1580
CMYK	0.14, 0.41, 0.00, 0.16
HSL	280°, 52%, 67%
HSV	280°, 41%, 84%
XYZ	39.9615, 30.4025, 67.8546
YIQ	154.6730, 6.9160, 39.8760

# Conversions

## Conversions Part 2

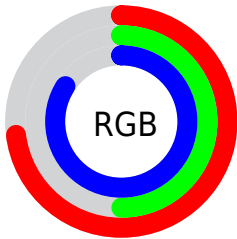
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 127, 215
Decimal	12222423
CIE <sub>Lab</sub>	62.00, 38.37, -36.35
CIE <sub>LCh</sub>	62, 52.852, 316.547
Yxy	30.4025, 0.2891, 0.2200
Android (android.graphics.Color)	4290412503 (0xFFBA7FD7)
YUV	154.6730, 29.7412, 27.4738
Hunter-Lab	55.1385, 32.8752, -34.3666

# Details

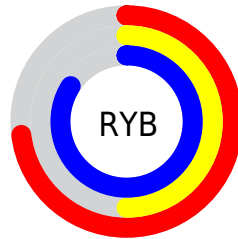
The CIELCh color  $62, 52.852, 316.547$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $80, 51.063, 132.796$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 44.472, 321.263$ , and  $42, 53.044, 316.457$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 65.564, 316.928$ , and if you desaturate by 10%, it is  $68, 39.820, 316.120$ .

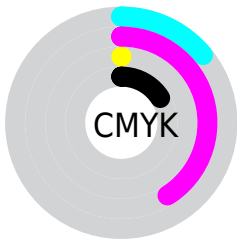
# Distribution



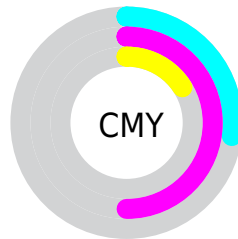
- Red (73%)
- Green (50%)
- Blue (84%)



- Red (73%)
- Yellow (50%)
- Blue (84%)



- Cyan (14%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)




- Cyan (27%)
- Magenta (50%)
- Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 52.852, 316.547 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 62, 52.852, 316.547 by changing the saturation by 10% instead.




 62, 52.852,  
316.547


 62, 52.852,  
316.547


 100, 52.852,  
316.547


 52, 52.852,  
316.547


 82, 52.852,  
316.547

 42, 52.852,  
316.547

 92, 52.852,  
316.547

 32, 52.852,  
316.547

 22, 52.852,  
316.547

 12, 52.852,  
316.547

 2, 52.852, 316.547

 0, 52.852, 316.547

62, 52.852,  
316.547

62, 52.852,  
316.547

57, 65.564,  
316.928

68, 39.820,  
316.120

52, 77.529,  
317.219

73, 26.763,  
315.676

47, 88.154,  
317.361

79, 13.863,  
315.234

44, 96.743,  
317.283

85, 1.225, 314.682

41, 102.661,  
316.916


91, 11.093,  
134.456

39, 105.830,  
316.347

97, 22.728,  
133.951

98, 21.708,  
128.008

98, 20.948,  
121.456

 99, 20.490,  
114.419

# Harmonies

# Complementary

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



62, 52.852, 316.547



80, 51.063, 132.796

# Rectangle

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



62, 52.852, 316.547



62, 52.852, 6.547



62, 52.852, 136.547



62, 52.852, 186.547

# Sweetspot

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



62, 52.850, 316.547



92, 17.449, 315.284



64, 33.469, 278.080



48, 11.590, 315.342



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



62, 52.850, 316.547



68, 72.527, 316.875



65, 50.360, 331.969



42, 7.143, 315.166



31, 89.169, 316.504



4, 30.384, 315.516



# Inverse Universe

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



63, 37.589, 358.874



70, 51.686, 0.424



79, 50.329, 146.037



42, 4.984, 354.772



36, 64.019, 18.036

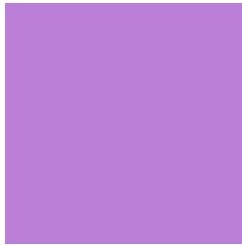


5, 22.383, 4.684



# Previews

## White Background



This preview shows how the CIELCh color 62, 52.852, 316.547 looks on a white background.

## Color Contrast Check

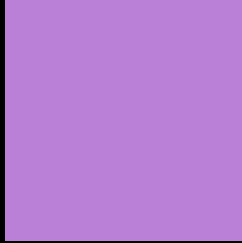
Large Text (above 18pt) WCAG AA × Fail

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 62, 52.852, 316.547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

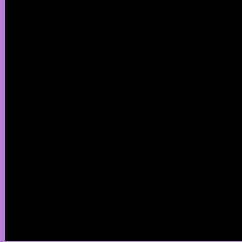
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 52.852, 316.547

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 52.852, 316.547.

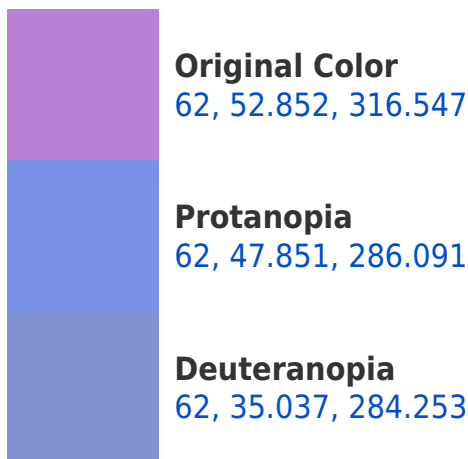


This preview shows how white text looks on a background with the CIELCh color 62, 52.852, 316.547.

# 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**  
62, 15.432, 357.619

# Trichromacy



**Original Color**  
62, 52.852, 316.547



**Protanomaly**  
62, 48.351, 296.620



**Deuteranomaly**  
62, 40.709, 298.915



**Tritanomaly**  
62, 27.512, 329.779

# Monochromacy



**Original Color**  
62, 52.852, 316.547



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
63, 19.759, 316.089

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 52.852, 316.547 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(186, 127, 215)` looks like.

```
.text, #text, p{  
    color:rgb(186, 127, 215)  
}
```

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(186, 127, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 127, 215) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 52.852, 316.547 is called "border". The border property can be set on classes, ids or directly on the HTML element.

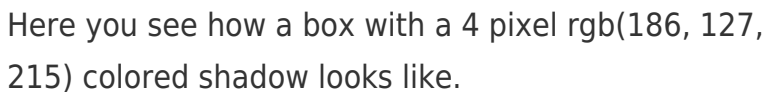
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 127, 215) }
```

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

```
.border{ border-color:rgb(186, 127, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 127, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 127, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 127, 215); box-shadow:4px 4px 4px 4px rgb(186, 127, 215) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 52.852, 316.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 127, 215) }
```

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

```
.background{ background-color: rgb(186,  
127, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor