

# Converting Colors

CIELCh(62, 27.625, 325.666)

Have a look what the booklet for  
CIELCh(62, 27.625, 325.666)  
contains.

<b>CIELCh(62, 27.509, 325.677)</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, 27.509, 325.677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B289B2</a>
RGB	<a href="#">178, 137, 178</a>
RGB Percent	<a href="#">70%, 54%, 70%</a>
CMY	<a href="#">0.3035, 0.4642, 0.3035</a>
CMYK	<a href="#">0.00, 0.23, 0.00, 0.30</a>
HSL	<a href="#">300°, 21%, 62%</a>
HSV	<a href="#">300°, 23%, 70%</a>
XYZ	<a href="#">35.1595, 30.4025, 45.9294</a>
YIQ	<a href="#">153.9330, 11.2750, 21.4430</a>

# Conversions

## Conversions Part 2

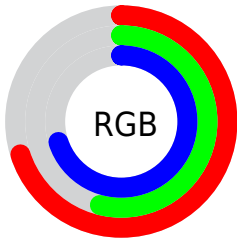
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 137, 178
Decimal	11700658
CIELab	62.00, 22.72, -15.51
CIELCh	62, 27.509, 325.677
Yxy	30.4025, 0.3154, 0.2727
Android (android.graphics.Color)	4289890738 (0xFFB289B2)
YUV	153.9330, 11.8650, 21.1068
Hunter-Lab	55.1385, 17.3295, -10.7906

# Details

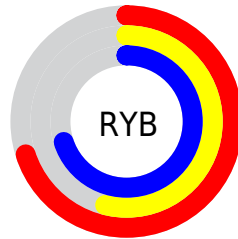
The CIELCh color  $62, 27.509, 325.677$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $69, 27.493, 142.945$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 27.400, 325.443$ , and  $42, 27.162, 326.018$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 39.302, 326.202$ , and if you desaturate by 10%, it is  $66, 15.549, 325.132$ .

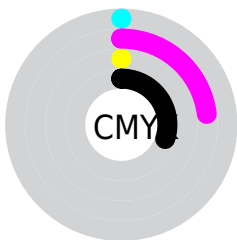
# Distribution



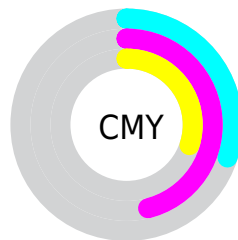
- Red (70%)
- Green (54%)
- Blue (70%)



- Red (70%)
- Yellow (54%)
- Blue (70%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)




- Cyan (30%)
- Magenta (46%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 27.509, 325.677 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, 27.509, 325.677 by changing the saturation by 10% instead.





 62, 27.509,  
325.677


 62, 27.509,  
325.677

 100, 27.509,  
325.677


 52, 27.509,  
325.677


 82, 27.509,  
325.677

 42, 27.509,  
325.677

 92, 27.509,  
325.677

 32, 27.509,  
325.677

 22, 27.509,  
325.677

 12, 27.509,  
325.677

 2, 27.509, 325.677

 0, 27.509, 325.677

62, 27.509,  
325.677

62, 27.509,  
325.677

58, 39.302,  
326.202

66, 15.549,  
325.132

54, 50.644,  
326.696

71, 3.636, 324.542

76, 8.091, 144.102

51, 61.158,  
327.143

80, 19.547,  
143.566

48, 70.407,  
327.526

85, 30.682,  
143.063

45, 77.947,  
327.831

90, 41.474,  
142.587

44, 83.428,  
328.048

94, 48.453,  
142.285

43, 86.716,  
328.177

94, 48.453,  
142.285

42, 88.101,

328.231

 94, 48.453,  
142.285

# Harmonies

# Complementary

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



62, 27.509, 325.677



69, 27.493, 142.945

# Rectangle

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



62, 27.509, 325.677



62, 27.509, 15.677



62, 27.509, 145.677



62, 27.509, 195.677

# Sweetspot

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



62, 27.507, 325.677



88, 10.314, 324.797



58, 22.906, 292.174



47, 6.758, 324.831



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



62, 27.507, 325.677



76, 41.446, 325.965



61, 19.771, 344.752



35, 6.750, 324.923



36, 78.927, 328.231



3, 16.261, 324.437



# Inverse Universe

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



61, 16.737, 21.103



75, 25.762, 21.685



69, 19.260, 160.764



35, 3.911, 19.909



31, 70.929, 39.524



2, 9.156, 19.402



# Previews

## White Background



This preview shows how the CIELCh color 62, 27.509, 325.677 looks on a white background.

## Color Contrast Check

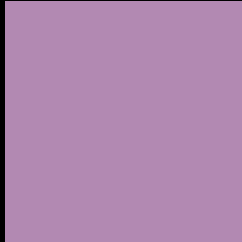
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 62, 27.509, 325.677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

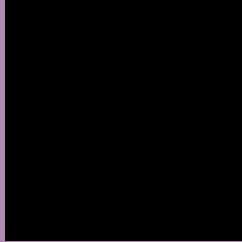
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 27.509, 325.677**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 27.509, 325.677.



This preview shows how white text looks on a background with the CIELCh color 62, 27.509, 325.677.

# 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

62, 27.509, 325.677

### Protanopia

62, 20.862, 284.882

### Deuteranopia

62, 17.048, 299.261





**Tritanopia**  
62, 14.325, 355.539

# Trichromacy



**Original Color**  
62, 27.509, 325.677

**Protanomaly**  
62, 21.661, 300.890

**Deuteranomaly**  
62, 20.290, 310.944

**Tritanomaly**  
62, 18.511, 339.683

# Monochromacy



**Original Color**  
62, 27.509, 325.677

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
63, 10.185, 324.914

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 27.509, 325.677 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(178, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(178, 137, 178)  
}
```

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(178, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 137, 178) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 27.509, 325.677 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(178, 137, 178) }
```

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

```
.border{ border-color:rgb(178, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(178, 137,  
178) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 27.509, 325.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 137, 178) }
```

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

```
.background{ background-color: rgb(178,  
137, 178) }
```

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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