

# Converting Colors

CIELCh(63, 22.695, 347.033)

Have a look what the booklet for  
CIELCh(63, 22.695, 347.033)  
contains.

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# Color

**CIELCh(63, 22.451, 347.141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB8BA2
RGB	187, 139, 162
RGB Percent	73%, 55%, 64%
CMY	0.2671, 0.4553, 0.3652
CMYK	0.00, 0.26, 0.13, 0.27
HSL	331°, 26%, 64%
HSV	331°, 26%, 73%
XYZ	36.1919, 31.5869, 38.3183
YIQ	155.9740, 21.2250, 17.3290

# Conversions

## Conversions Part 2

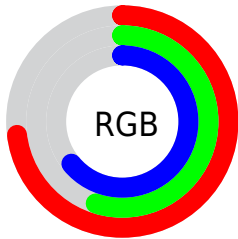
Format	Color
<a href="#">RYB</a>	<a href="#">187, 139, 162</a>
Decimal	<a href="#">12290978</a>
CIELab	<a href="#">63.00, 21.89, -5.00</a>
CIElCh	<a href="#">63, 22.451, 347.141</a>
Yxy	<a href="#">31.5869, 0.3411, 0.2977</a>
Android (android.graphics.Color)	<a href="#">4290481058 (0xFFBB8BA2)</a>
YUV	<a href="#">155.9740, 2.9708, 27.2098</a>
Hunter-Lab	<a href="#">56.2022, 16.5927, -1.0819</a>

# Details

The CIELCh color  $63, 22.451, 347.141$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $72, 21.676, 162.460$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 22.496, 347.173$ , and  $43, 22.607, 347.384$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 31.302, 348.289$ , and if you desaturate by 10%, it is  $68, 13.584, 346.128$ .

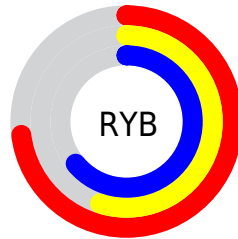
# Distribution



Red (73%)

Green (55%)

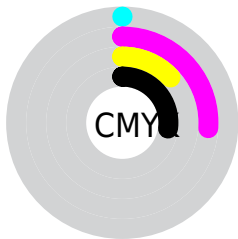
Blue (64%)



Red (73%)

Yellow (55%)

Blue (64%)

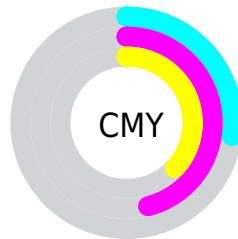


Cyan (0%)

Magenta (26%)

Yellow (13%)

Black (27%)



Cyan (27%)

Magenta (46%)


Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 22.451, 347.141 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, 22.451, 347.141 by changing the saturation by 10% instead.





 63, 22.451,  
347.141


 63, 22.451,  
347.141


 100, 22.451,  
347.141


 53, 22.451,  
347.141


 83, 22.451,  
347.141

 43, 22.451,  
347.141

 93, 22.451,  
347.141

 33, 22.451,  
347.141

 23, 22.451,  
347.141

 13, 22.451,  
347.141

 3, 22.451, 347.141

 0, 22.451, 347.141

63, 22.451,  
347.141

63, 22.451,  
347.141

58, 31.302,  
348.289

68, 13.584,  
346.128

54, 39.908,  
349.615

73, 4.861, 345.180

78, 3.631, 164.559

50, 47.931,  
351.187

83, 11.847,  
163.746

47, 54.952,  
353.098

89, 19.771,  
163.055

44, 60.525,  
355.476

94, 27.403,  
162.425

42, 64.315,  
358.480

95, 26.621,  
168.892

40, 66.286, 2.263

95, 24.158,  
178.918

■ 96, 22.509,  
190.750

# Harmonies

# Complementary

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



63, 22.451, 347.141



72, 21.676, 162.460

# Rectangle

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



63, 22.451, 347.141



63, 22.451, 37.141



63, 22.451, 167.141



63, 22.451, 217.141

# Sweetspot

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



63, 22.449, 347.143



91, 8.480, 345.415



62, 28.515, 310.843



48, 6.087, 345.557



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



63, 22.449, 347.143



77, 33.557, 347.792



63, 19.308, 22.643



37, 4.912, 345.530



34, 59.171, 3.405



3, 13.792, 352.828



# Inverse Universe

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



63, 22.449, 347.143



77, 33.557, 347.792



72, 16.247, 199.700



37, 4.912, 345.530



34, 59.171, 3.405

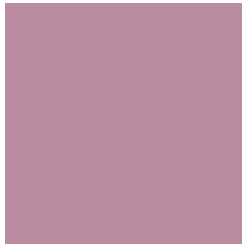


3, 13.792, 352.828



# Previews

## White Background



This preview shows how the CIELCh color 63, 22.451, 347.141 looks on a white background.

## Color Contrast Check

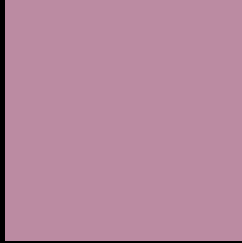
Large Text (above 18pt) WCAG AA × Fail

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 63, 22.451, 347.141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

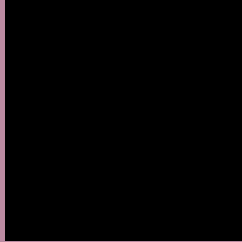
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 22.451, 347.141

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 22.451, 347.141.



This preview shows how white text looks on a background with the CIELCh color 63, 22.451, 347.141.

# 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

63, 22.451, 347.141

### Protanopia

63, 10.082, 287.118

### Deuteranopia

63, 9.118, 332.931





**Tritanopia**  
63, 18.779, 2.461

# Trichromacy



**Original Color**  
63, 22.451, 347.141

**Protanomaly**  
63, 12.767, 319.317

**Deuteranomaly**  
63, 13.708, 340.163

**Tritanomaly**  
63, 20.035, 355.255

# Monochromacy



**Original Color**  
63, 22.451, 347.141

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 7.950, 346.083

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 22.451, 347.141 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(187, 139, 162)` looks like.

```
.text, #text, p{  
    color:rgb(187, 139, 162)  
}
```

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(187, 139, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 139, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 22.451, 347.141 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(187, 139, 162) }
```

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

```
.border{ border-color:rgb(187, 139, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 139, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 139, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 139, 162);  
box-shadow:4px 4px 4px 4px rgb(187, 139,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 22.451, 347.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 139, 162) }
```

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

```
.background{ background-color: rgb(187,  
139, 162) }
```

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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