

# Converting Colors

CIELCh(70, 19.760, 335.682)

Have a look what the booklet for  
CIELCh(70, 19.760, 335.682)  
contains.

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# Color

**CIELCh(70, 19.815, 335.467)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5A0BA
RGB	197, 160, 186
RGB Percent	77%, 63%, 73%
CMY	0.2260, 0.3711, 0.2691
CMYK	0.00, 0.19, 0.06, 0.23
HSL	318°, 24%, 70%
HSV	318°, 19%, 77%
XYZ	44.6606, 40.7494, 52.1725
YIQ	174.0270, 13.7060, 15.9300

# Conversions

## Conversions Part 2

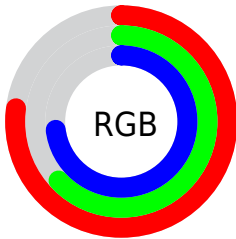
Format	Color
<a href="#">RYB</a>	<a href="#">197, 160, 186</a>
Decimal	<a href="#">12951738</a>
CIELab	<a href="#">70.00, 18.03, -8.23</a>
CIELCh	<a href="#">70, 19.815, 335.467</a>
Yxy	<a href="#">40.7494, 0.3246, 0.2962</a>
Android (android.graphics.Color)	<a href="#">4291141818</a> ( <a href="#">0xFFC5A0BA</a> )
YUV	<a href="#">174.0270, 5.9027, 20.1473</a>
Hunter-Lab	<a href="#">63.8353, 13.1710, -3.7729</a>

# Details

The CIELCh color  $70, 19.815, 335.467$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $76, 19.662, 152.803$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 19.733, 335.664$ , and  $50, 20.079, 335.366$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 30.434, 336.233$ , and if you desaturate by 10%, it is  $75, 9.188, 334.736$ .

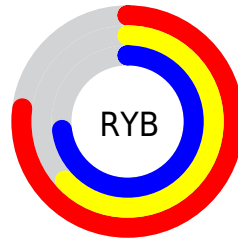
# Distribution



Red (77%)

Green (63%)

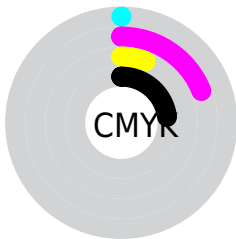
Blue (73%)



Red (77%)

Yellow (63%)

Blue (73%)

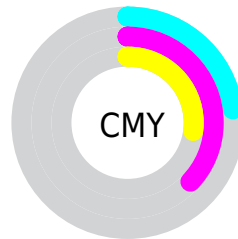


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (23%)



Cyan (23%)

Magenta (37%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.815, 335.467 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 70, 19.815, 335.467 by changing the saturation by 10% instead.





 70, 19.815,  
335.467


 70, 19.815,  
335.467


 100, 19.815,  
335.467


 60, 19.815,  
335.467


 90, 19.815,  
335.467

 50, 19.815,  
335.467

 40, 19.815,  
335.467

 30, 19.815,  
335.467

 20, 19.815,  
335.467

 10, 19.815,  
335.467

 0, 19.815, 335.467

70, 19.815,  
335.467

70, 19.815,  
335.467

65, 30.434,  
336.233

75, 9.188, 334.736

60, 40.823,  
337.049

80, 1.289, 154.361

56, 50.648,  
337.930

86, 11.529,  
153.498

52, 59.480,  
338.899

91, 21.484,  
152.889

49, 66.817,  
339.991

95, 28.718,  
153.264

47, 72.170,  
341.255

95, 26.564,  
157.674


45, 75.212,  
342.761


96, 24.568,  
162.799

44, 76.113,

96, 22.778,  
168.749

344.558

 96, 21.246,  
175.605

 44, 76.182,  
344.791

# Harmonies

# Complementary

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



70, 19.815, 335.467



76, 19.662, 152.803

# Rectangle

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



70, 19.815, 335.467



70, 19.815, 25.467



70, 19.815, 155.467



70, 19.815, 205.467

# Sweetspot

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



70, 19.813, 335.468



96, 7.740, 334.538



68, 20.829, 302.389



51, 5.136, 334.588



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



70, 19.813, 335.468



86, 29.965, 335.814



69, 14.963, 3.852



39, 5.994, 334.782



36, 66.332, 344.491



4, 20.611, 340.417



# Inverse Universe

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



70, 19.813, 335.468



86, 29.965, 335.814



77, 13.934, 180.305



39, 5.994, 334.782



36, 66.332, 344.491



4, 20.611, 340.417



# Previews

## White Background



This preview shows how the CIELCh color 70, 19.815, 335.467 looks on a white background.

## Color Contrast Check

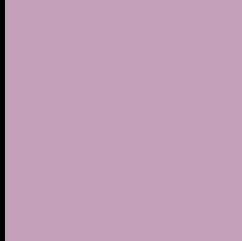
Large Text (above 18pt) WCAG AA × Fail

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 70, 19.815, 335.467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

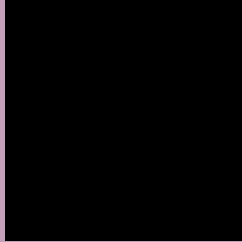
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 19.815, 335.467

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.815, 335.467.



This preview shows how white text looks on a background with the CIELCh color 70, 19.815, 335.467.

# 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

70, 19.815, 335.467

### Protanopia

70, 12.062, 287.996

### Deuteranopia

70, 12.027, 320.503





**Tritanopia**  
70, 14.777, 352.148

# Trichromacy



**Original Color**  
70, 19.815, 335.467

**Protanomaly**  
70, 14.051, 311.050

**Deuteranomaly**  
70, 14.594, 328.769

**Tritanomaly**  
70, 16.794, 345.216

# Monochromacy



**Original Color**  
70, 19.815, 335.467

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 7.230, 337.190

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 19.815, 335.467 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(197, 160, 186)` looks like.

```
.text, #text, p{  
    color:rgb(197, 160, 186)  
}
```

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(197, 160, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 160, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 19.815, 335.467 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(197, 160, 186) }
```

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

```
.border{ border-color:rgb(197, 160, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 160, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 160, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 160, 186);  
box-shadow:4px 4px 4px 4px rgb(197, 160,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 19.815, 335.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 160, 186) }
```

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

```
.background{ background-color: rgb(197,  
160, 186) }
```

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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