

# Converting Colors

CIELCh(70, 23.795, 307.775)

Have a look what the booklet for  
CIELCh(70, 23.795, 307.775)  
contains.

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# Color

**CIELCh(70, 23.459, 307.917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6A4CD
RGB	182, 164, 205
RGB Percent	71%, 64%, 80%
CMY	0.2874, 0.3580, 0.1973
CMYK	0.11, 0.20, 0.00, 0.20
HSL	266°, 29%, 72%
HSV	266°, 20%, 80%
XYZ	43.4278, 40.7494, 63.1427
YIQ	174.0560, -2.4330, 16.5670

# Conversions

## Conversions Part 2

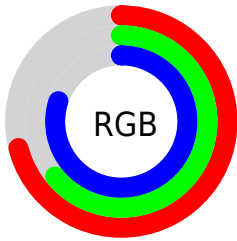
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 164, 205
Decimal	11969741
CIE <sub>Lab</sub>	70.00, 14.42, -18.51
CIE <sub>LCh</sub>	70, 23.459, 307.917
Yxy	40.7494, 0.2948, 0.2766
Android (android.graphics.Color)	4290159821 (0xFFB6A4CD)
YUV	174.0560, 15.2554, 6.9669
Hunter-Lab	63.8353, 9.7238, -13.9621

# Details

The CIELCh color  $70, 23.459, 307.917$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $80, 22.742, 125.953$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 19.932, 310.661$ , and  $50, 23.784, 308.111$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 35.672, 308.497$ , and if you desaturate by 10%, it is  $76, 11.566, 307.380$ .

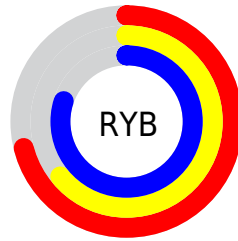
# Distribution



Red (71%)

Green (64%)

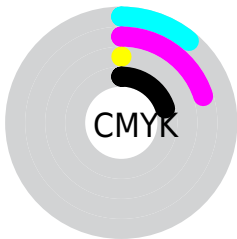
Blue (80%)



Red (71%)

Yellow (64%)

Blue (80%)

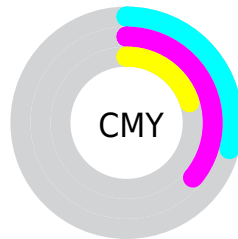


Cyan (11%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (29%)

Magenta (36%)


Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 23.459, 307.917 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, 23.459, 307.917 by changing the saturation by 10% instead.





 70, 23.459,  
307.917


 70, 23.459,  
307.917


 100, 23.459,  
307.917


 60, 23.459,  
307.917


 90, 23.459,  
307.917

 50, 23.459,  
307.917

 40, 23.459,  
307.917

 30, 23.459,  
307.917

 20, 23.459,  
307.917

 10, 23.459,  
307.917

 0, 23.459, 307.917

70, 23.459,  
307.917

70, 23.459,  
307.917

64, 35.672,  
308.497

76, 11.566,  
307.380

58, 48.129,  
309.112

82, 0.034, 304.016

52, 60.662,  
309.736

88, 11.130,  
126.492

46, 72.972,  
310.324

95, 21.934,  
126.113

41, 84.549,  
310.801

98, 26.134,  
121.264

37, 94.634,  
311.062

99, 25.453,  
111.948

33, 102.285,  
310.974

99, 25.386,  
108.252

31, 107.212,



# Harmonies

# Complementary

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



70, 23.459, 307.917



80, 22.742, 125.953

# Rectangle

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



70, 23.459, 307.917



70, 23.459, 357.917



70, 23.459, 127.917



70, 23.459, 177.917

# Sweetspot

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



70, 23.457, 307.916



96, 8.229, 307.179



75, 12.300, 250.547



50, 5.464, 307.212



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, 23.457, 307.916



82, 33.817, 308.160



72, 26.277, 323.641



40, 6.522, 307.348



24, 91.484, 310.689



2, 24.282, 304.452



# Inverse Universe

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



72, 19.784, 342.131



85, 28.414, 342.530



79, 26.192, 141.481



40, 5.537, 341.197



36, 62.416, 356.016

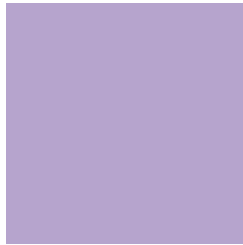


4, 20.602, 349.657



# Previews

## White Background



This preview shows how the CIELCh color 70, 23.459, 307.917 looks on a white background.

## Color Contrast Check

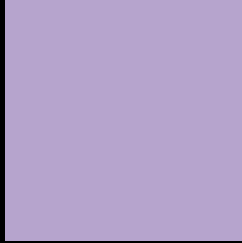
Large Text (above 18pt) WCAG AA × Fail

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 70, 23.459, 307.917 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, 23.459, 307.917**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 23.459, 307.917.



This preview shows how white text looks on a background with the CIELCh color 70, 23.459, 307.917.

# 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, 23.459, 307.917

### Protanopia

70, 21.457, 285.057

### Deuteranopia

70, 20.410, 297.039





**Tritanopia**  
70, 8.073, 318.165

# Trichromacy



**Original Color**  
70, 23.459, 307.917

**Protanomaly**  
70, 21.394, 293.193

**Deuteranomaly**  
70, 21.204, 301.665

**Tritanomaly**  
70, 14.051, 311.050

# Monochromacy



**Original Color**  
70, 23.459, 307.917

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 8.639, 308.253

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 23.459, 307.917 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(182, 164, 205)` looks like.

```
.text, #text, p{  
    color:rgb(182, 164, 205)  
}
```

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(182, 164, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 164, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 23.459, 307.917 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(182, 164, 205) }
```

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

```
.border{ border-color:rgb(182, 164, 205) }
```

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

Here you see how a box with a 4 pixel rgb(182, 164, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 164, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 164, 205);  
box-shadow:4px 4px 4px 4px rgb(182, 164,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 23.459, 307.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 164, 205) }
```

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

```
.background{ background-color: rgb(182,  
164, 205) }
```

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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