

# Converting Colors

CIELCh(59, 22.697, 325.511)

Have a look what the booklet for  
CIELCh(59, 22.697, 325.511)  
contains.

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# Color

**CIELCh(59, 23.132, 325.539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A583A5
RGB	165, 131, 165
RGB Percent	65%, 51%, 65%
CMY	0.3522, 0.4855, 0.3522
CMYK	0.00, 0.21, 0.00, 0.35
HSL	300°, 16%, 58%
HSV	300°, 21%, 65%
XYZ	30.5094, 27.0277, 39.3002
YIQ	145.0420, 9.3500, 17.7820

# Conversions

## Conversions Part 2

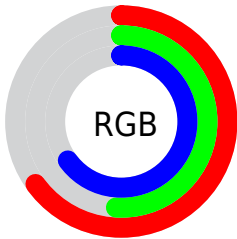
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 131, 165
Decimal	10847141
CIE <sub>Lab</sub>	59.00, 19.07, -13.09
CIE <sub>LCh</sub>	59, 23.132, 325.539
Yxy	27.0277, 0.3151, 0.2791
Android (android.graphics.Color)	4289037221 (0xFFA583A5)
YUV	145.0420, 9.8393, 17.5032
Hunter-Lab	51.9882, 13.7737, -8.4282

# Details

The CIELCh color  $59, 23.132, 325.539$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $65, 23.114, 143.147$ , and the grayscale version is  $60, 0.008, 296.813$ .

A 20% lighter version of the original color is  $79, 23.195, 325.328$ , and  $39, 23.308, 325.897$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 34.312, 326.067$ , and if you desaturate by 10%, it is  $63, 11.853, 324.993$ .

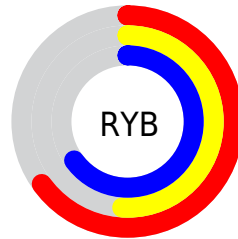
# Distribution



Red (65%)

Green (51%)

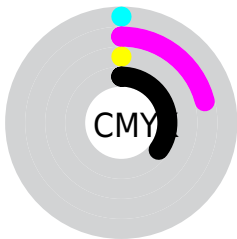
Blue (65%)



Red (65%)

Yellow (51%)

Blue (65%)

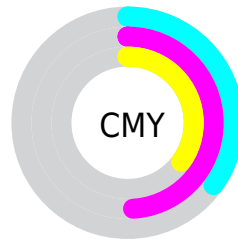


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (49%)


Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 23.132, 325.539 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 59, 23.132, 325.539 by changing the saturation by 10% instead.





 59, 23.132,  
325.539


 59, 23.132,  
325.539


 100, 23.132,  
325.539


 49, 23.132,  
325.539


 79, 23.132,  
325.539

 39, 23.132,  
325.539

 89, 23.132,  
325.539

 29, 23.132,  
325.539

 99, 23.132,  
325.539

 19, 23.132,  
325.539

 9, 23.132, 325.539

 0, 23.132, 325.539

59, 23.132,  
325.539

59, 23.132,  
325.539

55, 34.312,  
326.067

63, 11.853,  
324.993

51, 45.150,  
326.568

68, 0.657, 324.134

48, 55.314,  
327.027

72, 10.341,  
143.969

45, 64.409,  
327.428

77, 21.070,  
143.446

43, 72.014,  
327.754

81, 31.492,  
142.952

41, 77.768,  
327.997

86, 41.589,  
142.484


40, 81.475,  
328.150

90, 51.361,  
142.043

39, 83.504,

93, 56.073,  
141.836

328.234

 93, 56.073,  
141.836

# Harmonies

# Complementary

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



59, 23.132, 325.539



65, 23.114, 143.147

# Rectangle

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



59, 23.132, 325.539



59, 23.132, 15.539



59, 23.132, 145.539



59, 23.132, 195.539

# Sweetspot

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



59, 23.130, 325.539



82, 8.280, 324.738



56, 19.503, 292.465



43, 5.484, 324.774



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



59, 23.130, 325.539



73, 34.703, 325.799



58, 16.420, 345.417



32, 6.267, 324.919



34, 76.020, 328.234



2, 9.704, 324.440



# Inverse Universe

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



59, 23.130, 325.539



73, 34.703, 325.799



65, 16.010, 161.886



32, 6.267, 324.919



34, 76.020, 328.234

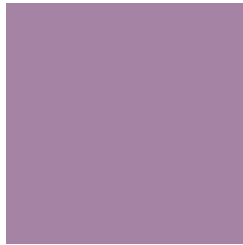


2, 9.704, 324.440



# Previews

## White Background



This preview shows how the CIELCh color 59, 23.132, 325.539 looks on a white background.

## Color Contrast Check

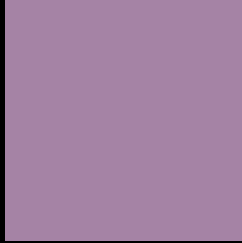
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 23.132, 325.539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

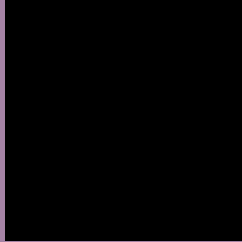
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 59, 23.132, 325.539

## Background



This preview shows how black text looks on a background with the CIELCh color 59, 23.132, 325.539.



This preview shows how white text looks on a background with the CIELCh color 59, 23.132, 325.539.

# 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

59, 23.132, 325.539

### Protanopia

59, 17.643, 285.298

### Deuteranopia

59, 14.460, 302.003





**Tritanopia**  
59, 12.061, 352.821

# Trichromacy



**Original Color**  
59, 23.132, 325.539

**Protanomaly**  
59, 19.088, 302.046

**Deuteranomaly**  
59, 17.175, 313.430

**Tritanomaly**  
59, 15.182, 338.992

# Monochromacy



**Original Color**  
59, 23.132, 325.539

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 8.247, 324.838

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 59, 23.132, 325.539 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(165, 131, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 131, 165)  
}
```

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(165, 131, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 131, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 59, 23.132, 325.539 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(165, 131, 165) }
```

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

```
.border{ border-color:rgb(165, 131, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 131, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 131, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 131, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 131,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 59, 23.132, 325.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 131, 165) }
```

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

```
.background{ background-color: rgb(165,  
131, 165) }
```

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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