

# Converting Colors

CIELCh(65, 23.754, 301.843)

Have a look what the booklet for  
CIELCh(65, 23.754, 301.843)  
contains.

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# Color

**CIELCh(65, 23.782, 301.851)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A398C2
RGB	163, 152, 194
RGB Percent	64%, 60%, 76%
CMY	0.3615, 0.4047, 0.2400
CMYK	0.16, 0.22, 0.00, 0.24
HSL	256°, 26%, 68%
HSV	256°, 22%, 76%
XYZ	35.9775, 34.0472, 55.5979
YIQ	160.0770, -6.9260, 15.3940

# Conversions

## Conversions Part 2

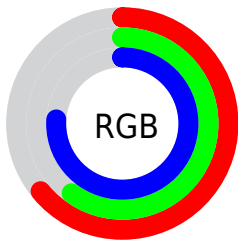
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 152, 194
Decimal	10721474
CIE <sub>Lab</sub>	65.00, 12.55, -20.20
CIE <sub>LCh</sub>	65, 23.782, 301.851
Yxy	34.0472, 0.2864, 0.2710
Android (android.graphics.Color)	4288911554 (0xFFA398C2)
YUV	160.0770, 16.7240, 2.5635
Hunter-Lab	58.3500, 7.9473, -15.6486

# Details

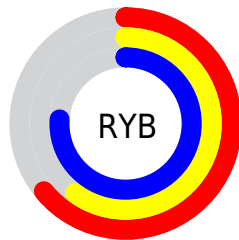
The CIELCh color  $65, 23.782, 301.851$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $77, 22.763, 119.036$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 24.137, 301.754$ , and  $45, 23.673, 302.114$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 35.383, 302.691$ , and if you desaturate by 10%, it is  $71, 12.576, 301.106$ .

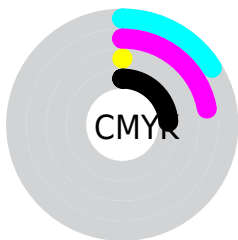
# Distribution



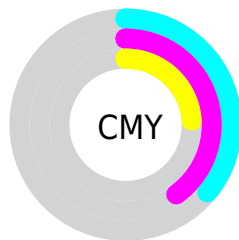
- Red (64%)
- Green (60%)
- Blue (76%)



- Red (64%)
- Yellow (60%)
- Blue (76%)



- Cyan (16%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (40%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 23.782, 301.851 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 65, 23.782, 301.851 by changing the saturation by 10% instead.



■ 65, 23.782,  
301.851

■ 65, 23.782,  
301.851

■ 100, 23.782,  
301.851

■ 55, 23.782,  
301.851

■ 85, 23.782,  
301.851

■ 45, 23.782,  
301.851

■ 95, 23.782,  
301.851

■ 35, 23.782,  
301.851

■ 25, 23.782,  
301.851

■ 15, 23.782,  
301.851

■ 5, 23.782, 301.851

■ 0, 23.782, 301.851

65, 23.782,  
301.851

65, 23.782,  
301.851

59, 35.383,  
302.691

71, 12.576,  
301.106

53, 47.348,  
303.627

77, 1.771, 300.440

47, 59.568,  
304.639

83, 8.646, 119.900

41, 71.800,  
305.680

90, 18.695,  
119.410

36, 83.555,  
306.662

96, 28.397,  
118.990

31, 93.979,  
307.437

98, 30.934,  
112.295

28, 101.877,  
307.812

99, 30.822,  
107.834

26, 106.331,



# Harmonies

# Complementary

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



65, 23.782, 301.851



77, 22.763, 119.036

# Rectangle

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



65, 23.782, 301.851



65, 23.782, 351.851



65, 23.782, 121.851



65, 23.782, 171.851

# Sweetspot

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



65, 23.780, 301.850



95, 7.940, 300.731



73, 12.149, 226.826



50, 5.316, 300.774



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



65, 23.780, 301.850



79, 35.674, 302.237



67, 25.929, 318.219



38, 6.086, 300.948



20, 92.383, 307.953



2, 19.684, 298.173



# Inverse Universe

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



67, 23.146, 334.233



83, 34.447, 334.578



75, 25.592, 136.273



38, 6.018, 333.367



36, 67.142, 341.976



4, 18.892, 337.989



# Previews

## White Background



This preview shows how the CIELCh color 65, 23.782, 301.851 looks on a white background.

## Color Contrast Check

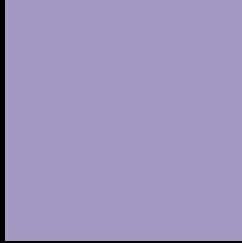
Large Text (above 18pt) WCAG AA × Fail

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 65, 23.782, 301.851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

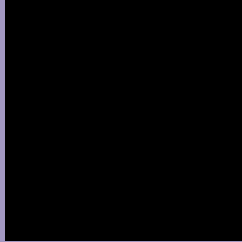
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 23.782, 301.851**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 23.782, 301.851.



This preview shows how white text looks on a background with the CIELCh color 65, 23.782, 301.851.

# 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**  
65, 23.782, 301.851

**Protanopia**  
65, 22.887, 285.787

**Deuteranopia**  
65, 21.733, 293.352





**Tritanopia**  
65, 7.287, 296.788

# Trichromacy



**Original Color**  
65, 23.782, 301.851

**Protanomaly**  
65, 23.386, 291.780

**Deuteranomaly**  
65, 22.393, 296.931

**Tritanomaly**  
65, 13.587, 300.797

# Monochromacy



**Original Color**  
65, 23.782, 301.851

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 8.490, 301.078

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 23.782, 301.851 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(163, 152, 194)` looks like.

```
.text, #text, p{  
    color:rgb(163, 152, 194)  
}
```

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(163, 152, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 152, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 23.782, 301.851 is called "border". The border property can be set on classes, ids or directly on the HTML element.

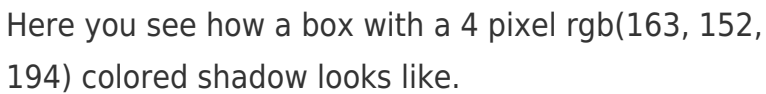
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 152, 194) }
```

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

```
.border{ border-color:rgb(163, 152, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 152, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 152, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 152, 194);  
box-shadow:4px 4px 4px 4px rgb(163, 152,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 23.782, 301.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 152, 194) }
```

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

```
.background{ background-color: rgb(163,  
152, 194) }
```

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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