

# Converting Colors

CIELCh(65, 15.887, 308.605)

Have a look what the booklet for  
CIELCh(65, 15.887, 308.605)  
contains.

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# Color

**CIELCh(65, 15.722, 307.825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A599B4
RGB	165, 153, 180
RGB Percent	65%, 60%, 71%
CMY	0.3532, 0.4002, 0.2944
CMYK	0.08, 0.15, 0.00, 0.29
HSL	267°, 15%, 65%
HSV	267°, 15%, 71%
XYZ	35.1165, 34.0472, 47.8667
YIQ	159.6660, -1.5150, 10.9410

# Conversions

## Conversions Part 2

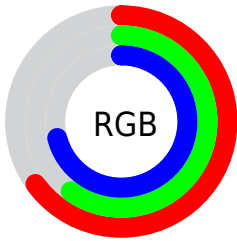
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 153, 180
Decimal	10852788
CIELab	65.00, 9.64, -12.42
CIElCh	65, 15.722, 307.825
Yxy	34.0472, 0.3001, 0.2909
Android (android.graphics.Color)	4289042868 (0xFFA599B4)
YUV	159.6660, 10.0247, 4.6779
Hunter-Lab	58.3500, 5.3134, -7.7928

# Details

The CIELCh color  $65, 15.722, 307.825$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $72, 15.367, 126.409$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 16.003, 307.829$ , and  $45, 15.599, 307.892$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 26.580, 308.372$ , and if you desaturate by 10%, it is  $71, 5.167, 307.315$ .

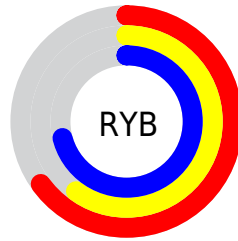
# Distribution



Red (65%)

Green (60%)

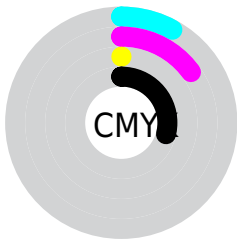
Blue (71%)



Red (65%)

Yellow (60%)

Blue (71%)

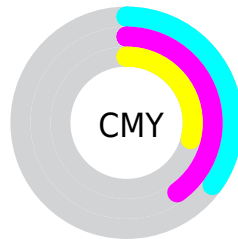


Cyan (8%)

Magenta (15%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (40%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 15.722, 307.825 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, 15.722, 307.825 by changing the saturation by 10% instead.





 65, 15.722,  
307.825


 65, 15.722,  
307.825


 100, 15.722,  
307.825


 55, 15.722,  
307.825


 85, 15.722,  
307.825

 45, 15.722,  
307.825

 95, 15.722,  
307.825

 35, 15.722,  
307.825

 25, 15.722,  
307.825

 15, 15.722,  
307.825

 5, 15.722, 307.825

 0, 15.722, 307.825

65, 15.722,  
307.825

65, 15.722,  
307.825

59, 26.580,  
308.372

71, 5.167, 307.315

54, 37.698,  
308.960

76, 5.062, 126.905

49, 48.969,  
309.570

82, 14.965,  
126.498

44, 60.196,  
310.170

87, 24.551,  
126.149

39, 71.037,  
310.703

92, 33.833,  
125.845

34, 80.944,  
311.085

96, 39.513,  
124.022


31, 89.158,  
311.199


97, 38.528,  
118.757

28, 94.874,

98, 37.903,  
113.163

310.921

 98, 37.677,  
107.355

 27, 97.175,  
310.728

# Harmonies

# Complementary

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



65, 15.722, 307.825



72, 15.367, 126.409

# Rectangle

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



65, 15.722, 307.825



65, 15.722, 357.825



65, 15.722, 127.825



65, 15.722, 177.825

# Sweetspot

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



65, 15.720, 307.824



89, 6.407, 307.319



68, 8.350, 249.784



47, 4.372, 307.354



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



65, 15.720, 307.824



81, 23.514, 308.000



66, 17.693, 323.378



35, 5.846, 307.531



22, 86.093, 310.870



1, 13.727, 303.465



# Inverse Universe

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



66, 13.245, 341.947



82, 19.770, 342.240



71, 17.642, 141.821



35, 4.940, 341.457



33, 58.797, 356.246

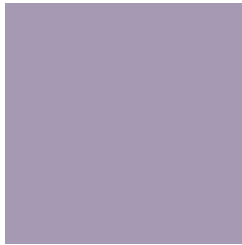


2, 10.969, 346.752



# Previews

## White Background



This preview shows how the CIELCh color 65, 15.722, 307.825 looks on a white background.

## Color Contrast Check

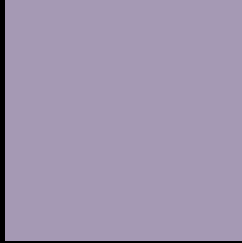
Large Text (above 18pt) WCAG AA × Fail

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, 15.722, 307.825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

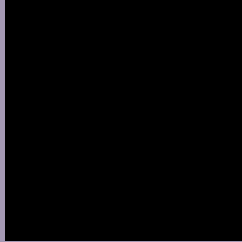
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 15.722, 307.825

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 15.722, 307.825.



This preview shows how white text looks on a background with the CIELCh color 65, 15.722, 307.825.

# 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, 15.722, 307.825


### Protanopia

65, 14.486, 287.486

### Deuteranopia

65, 14.892, 304.330





**Tritanopia**  
65, 7.360, 314.940

# Trichromacy



**Original Color**  
65, 15.722, 307.825

**Protanomaly**  
65, 14.510, 294.530

**Deuteranomaly**  
65, 14.978, 305.696

**Tritanomaly**  
65, 10.736, 311.417

# Monochromacy



**Original Color**  
65, 15.722, 307.825

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 5.892, 309.310

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 15.722, 307.825 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, 153, 180)` looks like.

```
.text, #text, p{  
    color:rgb(165, 153, 180)  
}
```

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, 153, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 153, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 15.722, 307.825 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, 153, 180) }
```

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

```
.border{ border-color:rgb(165, 153, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 153, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 153, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 153, 180);  
box-shadow:4px 4px 4px 4px rgb(165, 153,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 15.722, 307.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 153, 180) }
```

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

```
.background{ background-color: rgb(165,  
153, 180) }
```

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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