

Converting Colors

CIELCh(65, 18.783, 303.030)

Have a look what the booklet for
CIELCh(65, 18.783, 303.030)
contains.

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Color

CIELCh(65, 18.786, 303.011)

Conversions

Conversions Part 1

Format	Color
Hex	A399BA
RGB	163, 153, 186
RGB Percent	64%, 60%, 73%
CMY	0.3613, 0.4005, 0.2712
CMYK	0.12, 0.18, 0.00, 0.27
HSL	258°, 19%, 66%
HSV	258°, 18%, 73%
XYZ	35.2909, 34.0472, 51.0851
YIQ	159.7520, -4.6330, 12.3830

Conversions

Conversions Part 2

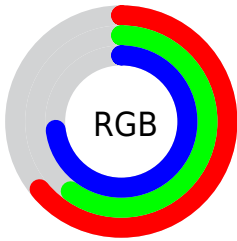
Format	Color
RYB	163, 153, 186
Decimal	10721722
CIELab	65.00, 10.23, -15.75
CIELCh	65, 18.786, 303.011
Yxy	34.0472, 0.2931, 0.2827
Android (android.graphics.Color)	4288911802 (0xFFA399BA)
YUV	159.7520, 12.9403, 2.8485
Hunter-Lab	58.3500, 5.8470, -11.0631

Details

The CIELCh color $65, 18.786, 303.011$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $74, 18.162, 120.907$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 18.892, 303.208$, and $45, 18.903, 302.920$ is the 20% darker color. If you saturate the color by 10%, you get $59, 29.877, 303.745$, and if you desaturate by 10%, it is $71, 8.063, 302.356$.

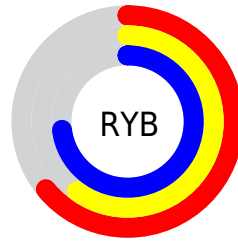
Distribution



Red (64%)

Green (60%)

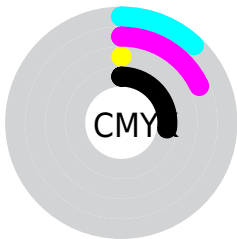
Blue (73%)



Red (64%)

Yellow (60%)

Blue (73%)

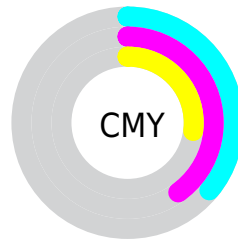


Cyan (12%)

Magenta (18%)

Yellow (0%)

Black (27%)



Cyan (36%)


Magenta (40%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 18.786, 303.011 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, 18.786, 303.011 by changing the saturation by 10% instead.


 65, 18.786,
303.011


 65, 18.786,
303.011


 100, 18.786,
303.011


 55, 18.786,
303.011


 85, 18.786,
303.011

 45, 18.786,
303.011

 95, 18.786,
303.011

 35, 18.786,
303.011

 25, 18.786,
303.011

 15, 18.786,
303.011

 5, 18.786, 303.011

 0, 18.786, 303.011

65, 18.786,
303.011

65, 18.786,
303.011

59, 29.877,
303.745

71, 8.063, 302.356

53, 41.312,
304.560

77, 2.286, 121.812

47, 53.009,
305.443

83, 12.275,
121.299

42, 64.782,
306.357

88, 21.920,
120.868

37, 76.260,
307.236

94, 31.241,
120.496

32, 86.788,
307.965

98, 35.242,
116.469

28, 95.381,
308.380

98, 34.768,
108.451

25, 101.171,

99, 34.761,
107.530

308.359

■ 25, 102.341,
308.361

Harmonies

Complementary

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



65, 18.786, 303.011



74, 18.162, 120.907

Rectangle

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



65, 18.786, 303.011



65, 18.786, 353.011



65, 18.786, 123.011



65, 18.786, 173.011

Sweetspot

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



65, 18.784, 303.010



92, 6.424, 302.193



70, 9.667, 233.074



49, 4.423, 302.236



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 18.784, 303.010



80, 27.733, 303.264



66, 20.739, 319.583



36, 5.850, 302.454



20, 89.580, 308.487



1, 15.595, 298.994

Inverse Universe

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



67, 17.781, 335.621



83, 26.128, 335.891



73, 20.563, 137.961



36, 5.588, 335.004



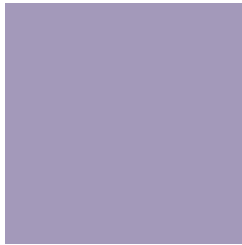
34, 63.852, 344.811



3, 14.029, 339.486

Previews

White Background



This preview shows how the CIELCh color 65, 18.786, 303.011 looks on a white background.

Color Contrast Check

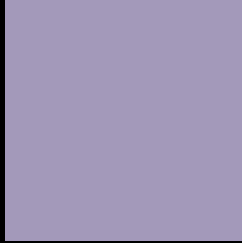
Large Text (above 18pt) WCAG AA × Fail

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 65, 18.786, 303.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

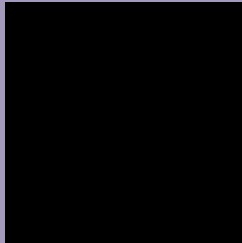
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 18.786, 303.011

Background



This preview shows how black text looks on a background with the CIELCh color 65, 18.786, 303.011.



This preview shows how white text looks on a background with the CIELCh color 65, 18.786, 303.011.

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, 18.786, 303.011

Protanopia

65, 17.848, 286.452

Deuteranopia

65, 17.988, 298.829



Tritanopia
65, 6.865, 303.429

Trichromacy



Original Color
65, 18.786, 303.011

Protanomaly
65, 17.816, 292.044

Deuteranomaly
65, 18.036, 299.955

Tritanomaly
65, 10.840, 303.017

Monochromacy



Original Color
65, 18.786, 303.011

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 6.858, 303.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 18.786, 303.011 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, 153, 186)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 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(163, 153, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 18.786, 303.011 is called "border". The border property can be set on classes, ids or directly on the HTML element.

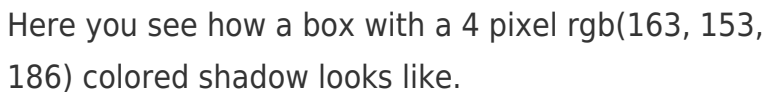
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 153, 186) }
```

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

```
.border{ border-color:rgb(163, 153, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 153, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 153, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 153, 186); box-shadow:4px 4px 4px 4px rgb(163, 153, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 18.786, 303.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 186) }
```

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

```
.background{ background-color: rgb(163,  
153, 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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