

Converting Colors

CIELCh(65, 16.168, 310.350)

Have a look what the booklet for
CIELCh(65, 16.168, 310.350)
contains.

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Color

CIELCh(65, 16.601, 310.983)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A798B4 |
| RGB | 167, 152, 180 |
| RGB Percent | 65%, 60%, 71% |
| CMY | 0.3444, 0.4033, 0.2934 |
| CMYK | 0.07, 0.16, 0.00, 0.29 |
| HSL | 272°, 16%, 65% |
| HSV | 272°, 16%, 71% |
| XYZ | 35.4836, 34.0472, 47.9740 |
| YIQ | 159.6770, -0.0480, 11.8880 |

Conversions

Conversions Part 2

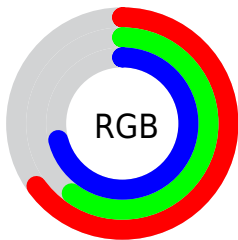
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 167, 152, 180 |
| Decimal | 10983604 |
| CIELab | 65.00, 10.89, -12.53 |
| CIELCh | 65, 16.601, 310.983 |
| Yxy | 34.0472, 0.3020, 0.2898 |
| Android (android.graphics.Color) | 4289173684 (0xFFA798B4) |
| YUV | 159.6770, 10.0192, 6.4223 |
| Hunter-Lab | 58.3500, 6.4365, -7.9019 |

Details

The CIELCh color $65, 16.601, 310.983$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $72, 16.281, 129.636$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 16.841, 310.780$, and $45, 16.530, 311.281$ is the 20% darker color. If you saturate the color by 10%, you get $60, 27.617, 311.466$, and if you desaturate by 10%, it is $70, 5.843, 310.519$.

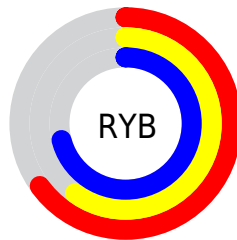
Distribution



Red (65%)

Green (60%)

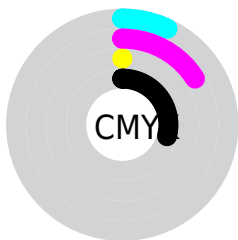
Blue (71%)



Red (65%)

Yellow (60%)

Blue (71%)

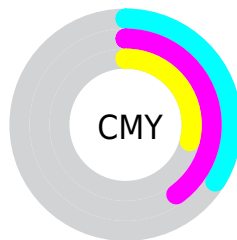


Cyan (7%)

Magenta (16%)

Yellow (0%)

Black (29%)



Cyan (34%)


Magenta (40%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.601, 310.983 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, 16.601, 310.983 by changing the saturation by 10% instead.


 65, 16.601,
310.983


 65, 16.601,
310.983


 100, 16.601,
310.983


 55, 16.601,
310.983


 85, 16.601,
310.983

 45, 16.601,
310.983

 95, 16.601,
310.983

 35, 16.601,
310.983

 25, 16.601,
310.983

 15, 16.601,
310.983

 5, 16.601, 310.983

 0, 16.601, 310.983

65, 16.601,
310.983

65, 16.601,
310.983

60, 27.617,
311.466

70, 5.843, 310.519

54, 38.822,
311.969

76, 4.615, 130.154

49, 50.074,
312.469

81, 14.762,
129.765

44, 61.134,
312.930

87, 24.599,
129.430

40, 71.619,
313.298

92, 34.134,
129.135

36, 80.972,
313.497

96, 40.357,
127.796

32, 88.493,
313.426

96, 39.309,
123.663

30, 93.548,

97, 38.482,
119.246

312.992

■ 98, 37.905,
114.591

■ 29, 95.391,
312.760

Harmonies

Complementary

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



65, 16.601, 310.983



72, 16.281, 129.636

Rectangle

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



65, 16.601, 310.983



65, 16.601, 0.983



65, 16.601, 130.983



65, 16.601, 180.983

Sweetspot

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



65, 16.599, 310.982



90, 6.529, 310.497



67, 9.371, 261.117



47, 4.455, 310.530



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, 16.599, 310.982



80, 25.270, 311.162



66, 18.304, 326.184



35, 5.954, 310.693



24, 84.447, 312.905



1, 13.925, 306.422

Inverse Universe

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



66, 12.946, 346.960



81, 19.694, 347.336



71, 18.283, 144.395



35, 4.645, 346.364



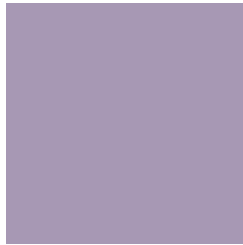
32, 57.696, 4.677



2, 10.401, 351.844

Previews

White Background



This preview shows how the CIELCh color 65, 16.601, 310.983 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, 16.601, 310.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

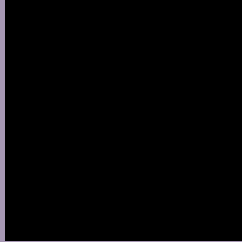
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 16.601, 310.983

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.601, 310.983.



This preview shows how white text looks on a background with the CIELCh color 65, 16.601, 310.983.

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, 16.601, 310.983

Protanopia

65, 15.040, 287.710

Deuteranopia

65, 14.892, 304.330



Tritanopia
65, 8.380, 320.500

Trichromacy



Original Color
65, 16.601, 310.983

Protanomaly
65, 15.091, 295.832

Deuteranomaly
65, 15.722, 307.825

Tritanomaly
65, 11.689, 315.673

Monochromacy



Original Color
65, 16.601, 310.983

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 6.025, 312.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.601, 310.983 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(167, 152, 180)` looks like.

```
.text, #text, p{  
    color:rgb(167, 152, 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(167, 152, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 152, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.601, 310.983 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(167, 152, 180) }
```

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

```
.border{ border-color:rgb(167, 152, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 152, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 152, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 152, 180);  
box-shadow:4px 4px 4px 4px rgb(167, 152,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.601, 310.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 152, 180) }
```

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

```
.background{ background-color: rgb(167,  
152, 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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