

Converting Colors

CIELCh(85, 18.552, 283.462)

Have a look what the booklet for
CIELCh(85, 18.552, 283.462)
contains.

CIELCh(85, 18.552, 283.462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 18.552, 283.462)

Conversions

Conversions Part 1

Format	Color
Hex	CBD3F6
RGB	203, 211, 246
RGB Percent	80%, 83%, 96%
CMY	0.2035, 0.1721, 0.0349
CMYK	0.17, 0.14, 0.00, 0.03
HSL	229°, 71%, 88%
HSV	229°, 17%, 97%
XYZ	64.6235, 66.0070, 96.6042
YIQ	212.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

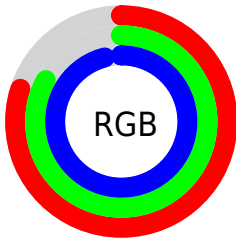
Format	Color
R _Y B	203, 210, 246
Decimal	13358070
CIE Lab	85.00, 4.32, -18.04
CIE LCh	85, 18.552, 283.462
Yxy	66.0070, 0.2844, 0.2905
Android (android.graphics.Color)	4291548150 (0xFFCBD3F6)
YUV	212.5980, 16.4672, -8.4174
Hunter-Lab	81.2447, -0.1962, -13.6276

Details

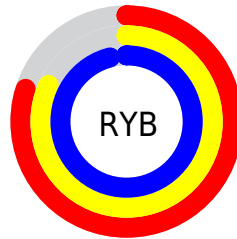
The CIELCh color `85, 18.552, 283.462` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 18.160, 99.221`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 18.525, 282.470` is the 20% darker color. If you saturate the color by 10%, you get `78, 29.626, 285.033`, and if you desaturate by 10%, it is `92, 7.820, 282.125`.

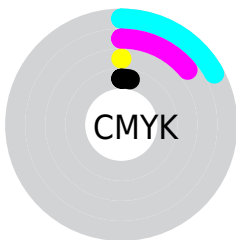
Distribution



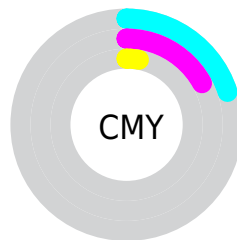
- Red (80%)
- Green (83%)
- Blue (96%)



- Red (80%)
- Yellow (82%)
- Blue (96%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 18.552, 283.462 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 85, 18.552, 283.462 by changing the saturation by 10% instead.

■ 85, 18.552,
283.462

■ 85, 18.552,
283.462

■ 100, 18.552,
283.462

■ 75, 18.552,
283.462

■ 65, 18.552,
283.462

■ 55, 18.552,
283.462

■ 45, 18.552,
283.462

■ 35, 18.552,
283.462

■ 25, 18.552,
283.462

■ 15, 18.552,

283.462

■ 5, 18.552, 283.462

■ 0, 18.552, 283.462

■ 85, 18.552,
283.462

■ 85, 18.552,
283.462

■ 78, 29.626,
285.033

■ 92, 7.820, 282.125

■ 71, 41.079,
286.877

■ 99, 2.591, 100.882

■ 65, 52.946,
289.026

■ 100, 4.501,
109.825

■ 58, 65.251,
291.492

■ 52, 77.962,

294.248

■ 46, 90.888,
297.192

■ 40, 103.502,
300.124

■ 36, 114.786,
302.752

■ 35, 117.290,
303.308

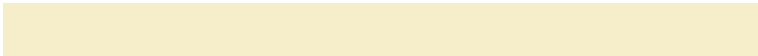
Harmonies

Complementary

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



85, 18.552, 283.462



94, 18.160, 99.221

Rectangle

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



85, 18.552, 283.462



85, 18.552, 333.462



85, 18.552, 103.462



85, 18.552, 153.462

Sweetspot

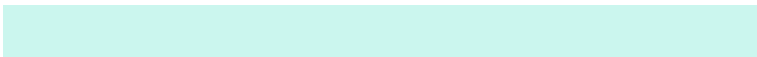
The Sweet Spot groups the original color and five complimentary colors.



85, 18.550, 283.459



96, 5.369, 281.836



94, 15.423, 181.692



51, 3.666, 281.916



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 18.550, 283.459



85, 23.072, 283.991



84, 23.220, 302.906



48, 5.938, 282.374



26, 93.792, 302.892



5, 34.747, 296.276

Inverse Universe

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



86, 16.485, 6.032



86, 20.580, 6.465



95, 22.447, 120.789



48, 5.225, 5.138



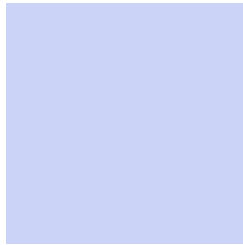
39, 74.056, 30.509



9, 30.053, 17.353

Previews

White Background



This preview shows how the CIE LCh color 85, 18.552, 283.462 looks on a white background.

Color Contrast Check

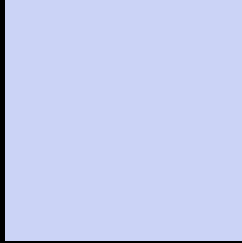
Large Text (above 18pt) WCAG AA × Fail

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 85, 18.552, 283.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

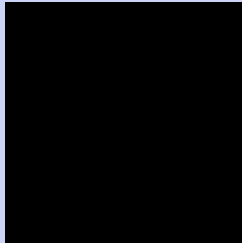
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 18.552, 283.462

Background



This preview shows how black text looks on a background with the CIELCh color 85, 18.552, 283.462.

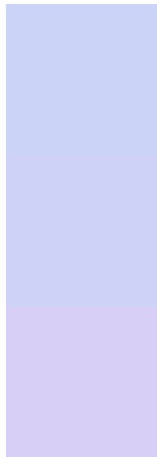


This preview shows how white text looks on a background with the CIELCh color 85, 18.552, 283.462.

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

85, 18.552, 283.462

Protanopia

85, 18.976, 287.732

Deuteranopia

85, 21.360, 300.122



Tritanopia
85, 10.049, 262.365

Trichromacy



Original Color
85, 18.552, 283.462

Protanomaly
85, 18.996, 286.731

Deuteranomaly
85, 20.603, 294.711

Tritanomaly
85, 12.675, 272.421

Monochromacy



Original Color
85, 18.552, 283.462

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.905, 281.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 18.552, 283.462 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(203, 211, 246)` looks like.

```
.text, #text, p{  
    color:rgb(203, 211, 246)  
}
```

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(203, 211, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 211, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 18.552, 283.462 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(203, 211, 246) }
```

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

```
.border{ border-color:rgb(203, 211, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 211, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 211, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 211, 246);  
box-shadow:4px 4px 4px 4px rgb(203, 211,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 18.552, 283.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 211, 246) }
```

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

```
.background{ background-color: rgb(203,  
211, 246) }
```

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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