

Converting Colors

CIELCh(85, 21.136, 285.968)

Have a look what the booklet for
CIELCh(85, 21.136, 285.968)
contains.

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Color

CIELCh(85, 21.110, 286.554)

Conversions

Conversions Part 1

Format	Color
Hex	CCD2FA
RGB	204, 210, 250
RGB Percent	80%, 82%, 98%
CMY	0.1990, 0.1755, 0.0186
CMYK	0.18, 0.16, 0.00, 0.02
HSL	232°, 83%, 89%
HSV	232°, 18%, 98%
XYZ	65.3741, 66.0070, 99.9488
YIQ	212.7660, -16.4160, 11.1680

Conversions

Conversions Part 2

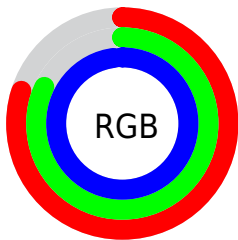
Format	Color
R_{YB}	204, 209, 250
Decimal	13423354
CIE _{Lab}	85.00, 6.01, -20.24
CIE _{LCh}	85, 21.110, 286.554
Yxy	66.0070, 0.2826, 0.2853
Android (android.graphics.Color)	4291613434 (0xFFCCD2FA)
YUV	212.7660, 18.3564, -7.6878
Hunter-Lab	81.2447, 1.4530, -16.0684

Details

The CIELCh color **85, 21.110, 286.554** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96, 20.491, 102.271**, 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, 20.659, 285.681** is the 20% darker color. If you saturate the color by 10%, you get **78, 33.175, 288.090**, and if you desaturate by 10%, it is **92, 9.467, 285.247**.

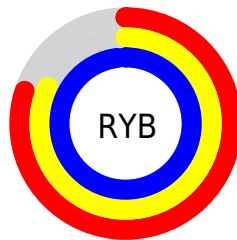
Distribution



Red (80%)

Green (82%)

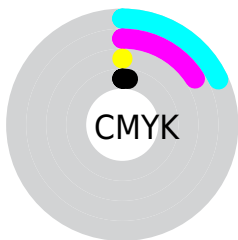
Blue (98%)



Red (80%)

Yellow (82%)

Blue (98%)

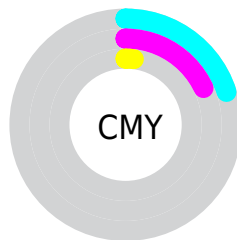


Cyan (18%)

Magenta (16%)

Yellow (0%)

Black (2%)



Cyan (20%)


Magenta (18%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.110, 286.554 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, 21.110, 286.554 by changing the saturation by 10% instead.


 85, 21.110,
286.554


 85, 21.110,
286.554


 100, 21.110,
286.554


 75, 21.110,
286.554

 65, 21.110,
286.554

 55, 21.110,
286.554

 45, 21.110,
286.554

 35, 21.110,
286.554

 25, 21.110,
286.554

 15, 21.110,

286.554

■ 5, 21.110, 286.554

■ 0, 21.110, 286.554

■ 85, 21.110,
286.554

■ 85, 21.110,
286.554

■ 78, 33.175,
288.090

■ 92, 9.467, 285.247

■ 70, 45.705,
289.895

■ 100, 1.782,
104.032

■ 63, 58.731,
291.992

■ 100, 2.394,
109.967

■ 56, 72.249,
294.382

■ 49, 86.136,

297.013

■ 43, 99.983,
299.744

■ 38, 112.854,
302.326

■ 34, 123.232,
304.429

■ 34, 124.584,
304.690

Harmonies

Complementary

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



85, 21.110, 286.554



96, 20.491, 102.271

Rectangle

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



85, 21.110, 286.554



85, 21.110, 336.554



85, 21.110, 106.554



85, 21.110, 156.554

Sweetspot

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



85, 21.108, 286.552



96, 6.855, 284.971



95, 15.922, 186.960



50, 4.551, 285.045



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, 21.108, 286.552



84, 25.812, 287.083



85, 25.020, 305.322



48, 6.423, 285.381



25, 99.662, 304.373



5, 38.162, 298.475

Inverse Universe

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



86, 17.413, 10.429



85, 21.388, 10.864



96, 24.219, 123.316



49, 5.233, 9.465



39, 77.655, 34.235



9, 31.344, 20.818

Previews

White Background



This preview shows how the CIE LCh color 85, 21.110, 286.554 looks on a white background.

Color Contrast Check

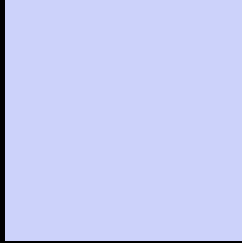
Large Text (above 18pt) WCAG AA × Fail

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, 21.110, 286.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

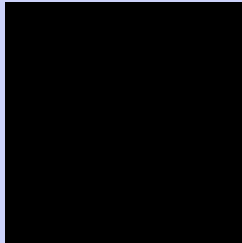
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.110, 286.554

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.110, 286.554.

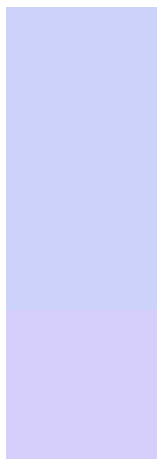


This preview shows how white text looks on a background with the CIELCh color 85, 21.110, 286.554.

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, 21.110, 286.554

Protanopia

85, 21.110, 286.554

Deuteranopia

85, 23.360, 297.863



Tritanopia
85, 9.900, 264.108

Trichromacy



Original Color
85, 21.110, 286.554

Protanomaly
85, 21.110, 286.554

Deuteranomaly
85, 22.688, 293.761

Tritanomaly
85, 13.580, 275.349

Monochromacy



Original Color
85, 21.110, 286.554

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 7.912, 285.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.110, 286.554 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(204, 210, 250)` looks like.

```
.text, #text, p{  
    color:rgb(204, 210, 250)  
}
```

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(204, 210, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 210, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.110, 286.554 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(204, 210, 250) }
```

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

```
.border{ border-color:rgb(204, 210, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 210, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 210, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 210, 250);  
box-shadow:4px 4px 4px 4px rgb(204, 210,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.110, 286.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 210, 250) }
```

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

```
.background{ background-color: rgb(204,  
210, 250) }
```

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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