

Converting Colors

CIELCh(85, 22.631, 270.924)

Have a look what the booklet for
CIELCh(85, 22.631, 270.924)
contains.

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Color

CIELCh(85, 22.753, 271.316)

Conversions

Conversions Part 1

Format	Color
Hex	BDD6FF
RGB	189, 214, 255
RGB Percent	74%, 84%, 100%
CMY	0.2595, 0.1615, 0.0007
CMYK	0.26, 0.16, 0.00, 0.00
HSL	217°, 99%, 87%
HSV	217°, 26%, 100%
XYZ	62.9639, 66.0070, 103.8742
YIQ	211.1990, -28.0610, 7.4510

Conversions

Conversions Part 2

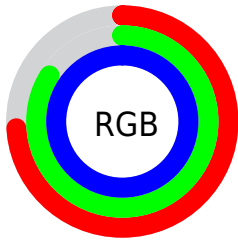
Format	Color
RYB	189, 207, 255
Decimal	12441343
CIELab	85.00, 0.52, -22.75
CIElCh	85, 22.753, 271.316
Yxy	66.0070, 0.2704, 0.2835
Android (android.graphics.Color)	4290631423 (0xFFBDD6FF)
YUV	211.1990, 21.5939, -19.4685
Hunter-Lab	81.2447, -3.8424, -18.9330

Details

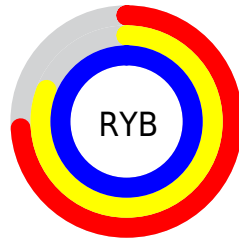
The CIELCh color **85, 22.753, 271.316** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **92, 23.245, 83.910**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **65, 22.872, 271.460** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.684, 273.350**, and if you desaturate by 10%, it is **91, 13.902, 269.587**.

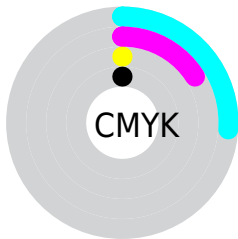
Distribution



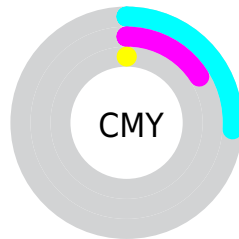
- Red (74%)
- Green (84%)
- Blue (100%)



- Red (74%)
- Yellow (81%)
- Blue (100%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.753, 271.316 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, 22.753, 271.316 by changing the saturation by 10% instead.


 85, 22.753,
271.316


 85, 22.753,
271.316


 100, 22.753,
271.316


 75, 22.753,
271.316

 65, 22.753,
271.316

 55, 22.753,
271.316

 45, 22.753,
271.316

 35, 22.753,
271.316

 25, 22.753,
271.316

 15, 22.753,

271.316

■ 5, 22.753, 271.316

■ 0, 22.753, 271.316

■ 85, 22.753,
271.316

■ 85, 22.753,
271.316

■ 79, 31.684,
273.350

■ 91, 13.902,
269.587

■ 74, 40.709,
275.741

■ 97, 5.138, 268.146

■ 68, 49.854,
278.529

100, 0.081,
109.223

■ 63, 59.165,
281.730

■ 58, 68.698,

285.312

■ 53, 78.486,
289.169

■ 48, 88.465,
293.104

■ 47, 92.579,
294.635

Harmonies

Complementary

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



85, 22.753, 271.316



92, 23.245, 83.910

Rectangle

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



85, 22.753, 271.316



85, 22.753, 321.316



85, 22.753, 91.316



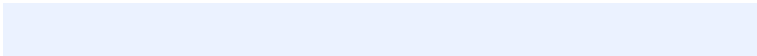
85, 22.753, 141.316

Sweetspot

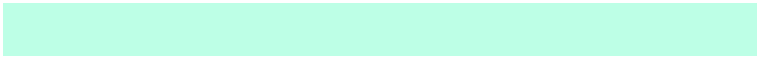
The Sweet Spot groups the original color and five complimentary colors.



85, 22.752, 271.313



95, 6.977, 268.422



95, 26.137, 167.937



50, 4.961, 268.629



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, 22.752, 271.313



82, 27.314, 272.311



79, 35.445, 297.252



50, 4.961, 268.629



35, 73.244, 293.947



9, 29.393, 288.411

Inverse Universe

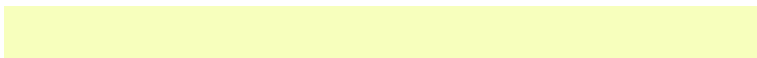
The Inverse Universe completely reimagines the original color for something new.



83, 27.562, 353.405



80, 33.172, 354.066



98, 33.356, 112.686



50, 5.913, 351.565



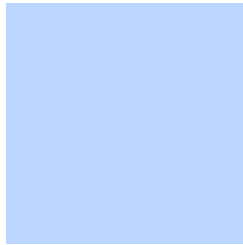
41, 68.639, 13.860



10, 31.282, 6.595

Previews

White Background



This preview shows how the CIELCh color 85, 22.753, 271.316 looks on a white background.

Color Contrast Check

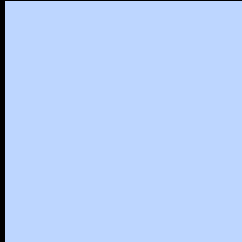
Large Text (above 18pt) WCAG AA × Fail

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, 22.753, 271.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

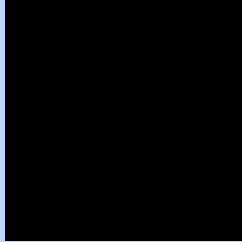
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

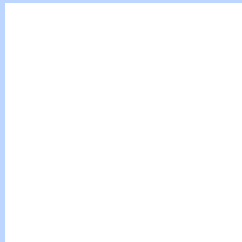
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.753, 271.316

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.753, 271.316.



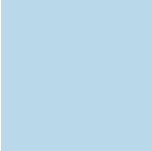
This preview shows how white text looks on a background with the CIELCh color 85, 22.753, 271.316.

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





Tritanopia
85, 14.049, 241.448

Trichromacy



Original Color
85, 22.753, 271.316

Protanomaly
85, 22.398, 281.119

Deuteranomaly
85, 24.267, 287.581

Tritanomaly
85, 16.602, 254.803

Monochromacy



Original Color
85, 22.753, 271.316

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.433, 269.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.753, 271.316 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(189, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 214, 255)  
}
```

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(189, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 214, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.753, 271.316 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(189, 214, 255) }
```

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

```
.border{ border-color:rgb(189, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 214,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.753, 271.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 214, 255) }
```

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

```
.background{ background-color: rgb(189,  
214, 255) }
```

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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