

Converting Colors

CIELCh(85, 18.143, 263.545)

Have a look what the booklet for
CIELCh(85, 18.143, 263.545)
contains.

CIELCh(85, 18.149, 263.537)	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, 18.149, 263.537)

Conversions

Conversions Part 1

Format	Color
Hex	BDD7F6
RGB	189, 215, 246
RGB Percent	74%, 84%, 96%
CMY	0.2592, 0.1572, 0.0357
CMYK	0.23, 0.13, 0.00, 0.04
HSL	213°, 76%, 85%
HSV	213°, 23%, 96%
XYZ	61.8586, 66.0070, 96.5912
YIQ	210.7600, -25.4470, 4.1290

Conversions

Conversions Part 2

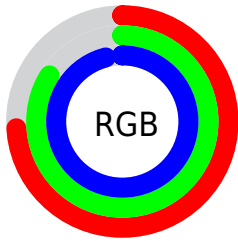
Format	Color
RYB	189, 207, 246
Decimal	12441590
CIELab	85.00, -2.04, -18.03
CIELCh	85, 18.149, 263.537
Yxy	66.0070, 0.2756, 0.2941
Android (android.graphics.Color)	4290631670 (0xFFBDD7F6)
YUV	210.7600, 17.3733, -19.0835
Hunter-Lab	81.2447, -6.2707, -13.6181

Details

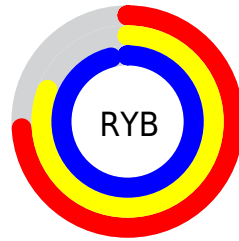
The CIELCh color **85, 18.149, 263.537** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **89, 18.999, 77.009**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **65, 18.392, 264.709** is the 20% darker color. If you saturate the color by 10%, you get **80, 25.916, 265.511**, and if you desaturate by 10%, it is **90, 10.336, 261.873**.

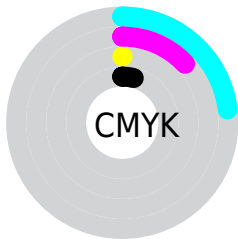
Distribution



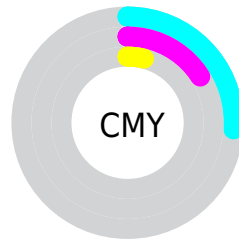
- Red (74%)
- Green (84%)
- Blue (96%)



- Red (74%)
- Yellow (81%)
- Blue (96%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 18.149, 263.537 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, 18.149, 263.537 by changing the saturation by 10% instead.

■ 85, 18.149,
263.537

■ 85, 18.149,
263.537

■ 100, 18.149,
263.537

■ 75, 18.149,
263.537

■ 65, 18.149,
263.537

■ 55, 18.149,
263.537

■ 45, 18.149,
263.537

■ 35, 18.149,
263.537

■ 25, 18.149,
263.537

■ 15, 18.149,

263.537

■ 5, 18.149, 263.537

■ 0, 18.149, 263.537

■ 85, 18.149,
263.537

■ 85, 18.149,
263.537

■ 80, 25.916,
265.511

■ 90, 10.336,
261.873

■ 75, 33.629,
267.857

■ 95, 2.501, 260.569

■ 70, 41.291,
270.624

■ 100, 4.601,
109.817

■ 65, 48.930,
273.851

■ 61, 56.606,

277.541

■ 56, 64.407,
281.630

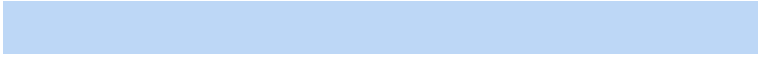
■ 52, 72.413,
285.966

■ 50, 78.021,
288.886

Harmonies

Complementary

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



85, 18.149, 263.537



89, 18.999, 77.009

Rectangle

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



85, 18.149, 263.537



85, 18.149, 313.537



85, 18.149, 83.537



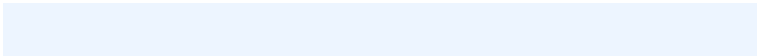
85, 18.149, 133.537

Sweetspot

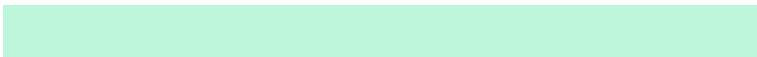
The Sweet Spot groups the original color and five complimentary colors.



85, 18.148, 263.533



96, 5.661, 261.002



92, 24.253, 163.360



51, 3.678, 261.081



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, 18.148, 263.533



85, 22.554, 264.455



78, 30.561, 294.044



48, 4.444, 261.335



38, 62.175, 288.100



10, 23.962, 281.198

Inverse Universe

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



82, 24.939, 348.262



82, 31.140, 348.814



95, 28.931, 109.353



48, 5.997, 346.864



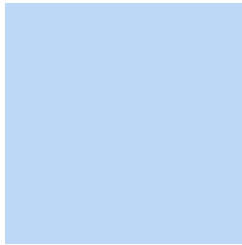
40, 66.644, 6.236



9, 29.912, 359.381

Previews

White Background



This preview shows how the CIELCh color 85, 18.149, 263.537 looks on a white background.

Color Contrast Check

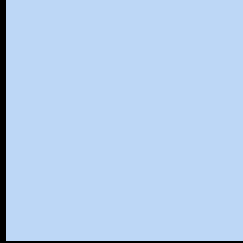
Large Text (above 18pt) WCAG AA × Fail

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, 18.149, 263.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

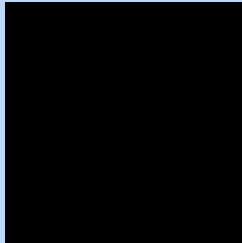
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

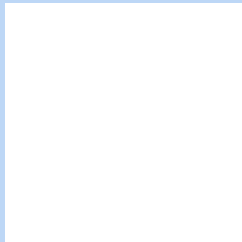
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 18.149, 263.537

Background



This preview shows how black text looks on a background with the CIELCh color 85, 18.149, 263.537.



This preview shows how white text looks on a background with the CIELCh color 85, 18.149, 263.537.

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, 18.149, 263.537

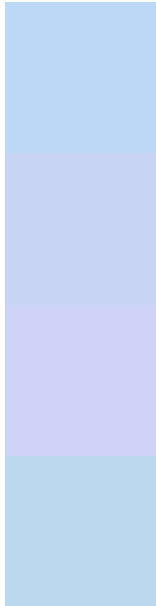
Protanopia
85, 17.404, 287.208

Deuteranopia
85, 21.833, 299.072



Tritanopia
85, 13.256, 241.507

Trichromacy



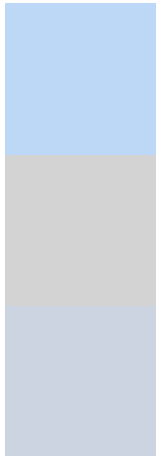
Original Color
85, 18.149, 263.537

Protanomaly
85, 17.209, 278.139

Deuteranomaly
85, 19.500, 287.892

Tritanomaly
85, 14.632, 251.544

Monochromacy



Original Color
85, 18.149, 263.537

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 7.002, 264.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 18.149, 263.537 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, 215, 246)` looks like.

```
.text, #text, p{  
    color:rgb(189, 215, 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(189, 215, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 215, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 18.149, 263.537 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, 215, 246) }
```

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

```
.border{ border-color:rgb(189, 215, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 215, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 215, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 215, 246);  
box-shadow:4px 4px 4px 4px rgb(189, 215,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 18.149, 263.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 215, 246) }
```

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

```
.background{ background-color: rgb(189,  
215, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor