

# Converting Colors

CIELCh(85, 26.853, 239.454)

Have a look what the booklet for  
CIELCh(85, 26.853, 239.454)  
contains.

<b>CIELCh(85, 26.715, 239.174)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(85, 26.715, 239.174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DEFF
RGB	152, 222, 255
RGB Percent	60%, 87%, 100%
CMY	0.4047, 0.1301, 0.0008
CMYK	0.40, 0.13, 0.00, 0.00
HSL	199°, 100%, 80%
HSV	199°, 40%, 100%
XYZ	57.0034, 66.0070, 104.1814
YIQ	204.8320, -52.3130, -4.5770

# Conversions

## Conversions Part 2

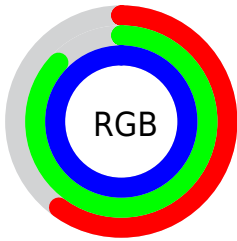
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 194, 255
Decimal	10018559
CIE Lab	85.00, -13.69, -22.94
CIE LCh	85, 26.715, 239.174
Yxy	66.0070, 0.2509, 0.2905
Android (android.graphics.Color)	4288208639 (0xFF98DEFF)
YUV	204.8320, 24.7328, -46.3337
Hunter-Lab	81.2447, -16.9380, -19.1572

# Details

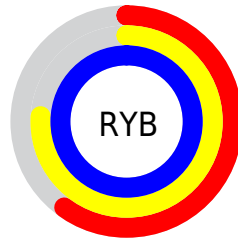
The CIELCh color  $85, 26.715, 239.174$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $81, 34.205, 51.440$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $97, 14.999, 198.507$ , and  $65, 26.713, 238.601$  is the 20% darker color. If you saturate the color by 10%, you get  $82, 32.152, 241.330$ , and if you desaturate by 10%, it is  $89, 20.733, 237.456$ .

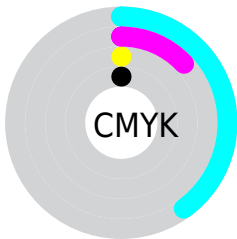
# Distribution



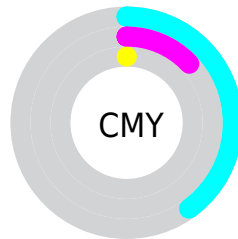
- Red (60%)
- Green (87%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (13%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 26.715, 239.174 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, 26.715, 239.174 by changing the saturation by 10% instead.





 85, 26.715,  
239.174


 85, 26.715,  
239.174


 100, 26.715,  
239.174


 75, 26.715,  
239.174

 65, 26.715,  
239.174

 55, 26.715,  
239.174

 45, 26.715,  
239.174

 35, 26.715,  
239.174

 25, 26.715,  
239.174

 15, 26.715,

239.174

■ 5, 26.715, 239.174

■ 0, 26.715, 239.174

■ 85, 26.715,  
239.174

■ 85, 26.715,  
239.174

■ 82, 32.152,  
241.330

■ 89, 20.733,  
237.456

■ 78, 36.994,  
244.022

■ 92, 14.285,  
236.101

■ 75, 41.229,  
247.335

■ 96, 7.451, 235.053

■ 72, 44.913,  
251.332

100, 0.311,  
236.018

■ 70, 48.186,

100, 0.086,  
109.268

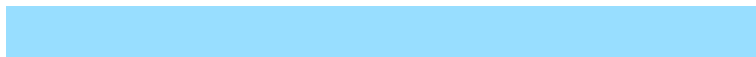
256.005

■ 67, 51.175,  
260.925

# Harmonies

# Complementary

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



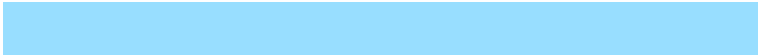
85, 26.715, 239.174



81, 34.205, 51.440

# Rectangle

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



85, 26.715, 239.174



85, 26.715, 289.174



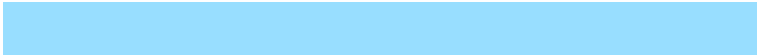
85, 26.715, 59.174



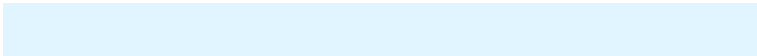
85, 26.715, 109.174

# Sweetspot

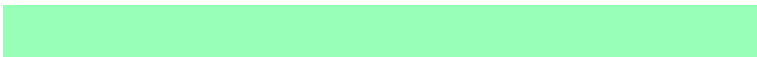
The Sweet Spot groups the original color and five complimentary colors.



85, 26.714, 239.172



95, 8.558, 235.198



92, 50.942, 151.334



50, 5.661, 235.324



0, 0.000, 0.000



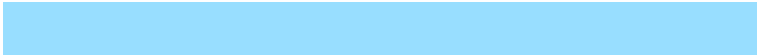
53, 0.007, 296.813



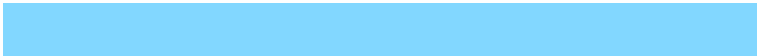


# Same Dimension

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



85, 26.714, 239.172



82, 31.434, 240.994



71, 45.968, 287.641



51, 4.076, 234.973



52, 40.844, 259.950



16, 17.672, 252.781



# Inverse Universe

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



75, 51.483, 338.286



71, 61.626, 339.107



93, 43.352, 96.634



50, 7.234, 335.755



42, 73.383, 346.471

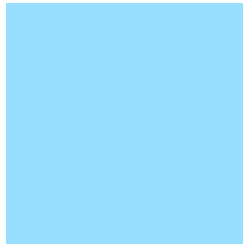


11, 34.595, 343.614



# Previews

## White Background



This preview shows how the CIE LCh color 85, 26.715, 239.174 looks on a white background.

## Color Contrast Check

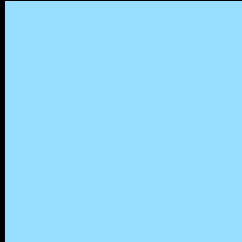
Large Text (above 18pt) WCAG AA × Fail

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, 26.715, 239.174 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, 26.715, 239.174**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 26.715, 239.174.



This preview shows how white text looks on a background with the CIELCh color 85, 26.715, 239.174.

# 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

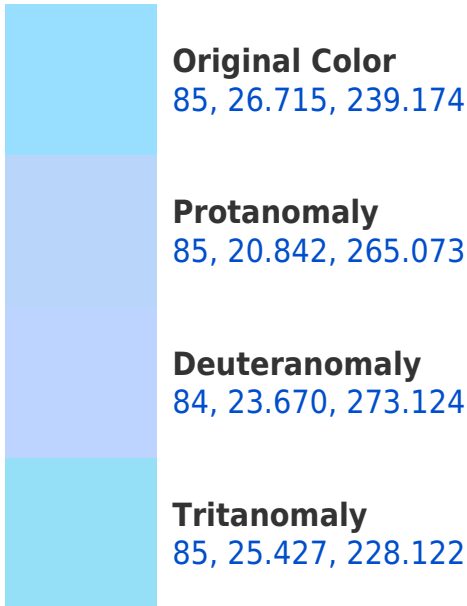




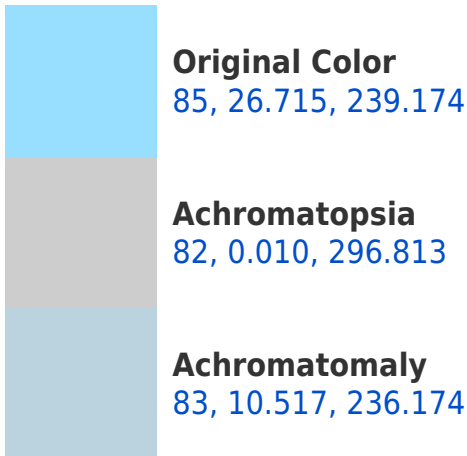


**Tritanopia**  
85, 24.945, 220.471

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 26.715, 239.174 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(152, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 222, 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(152, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 222, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 26.715, 239.174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

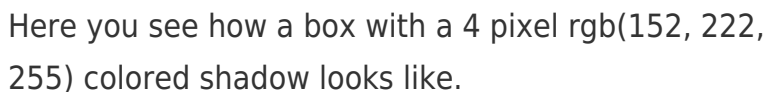
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 222, 255) }
```

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

```
.border{ border-color:rgb(152, 222, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 222, 255); box-shadow:4px 4px 4px 4px rgb(152, 222, 255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 26.715, 239.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 222, 255) }
```

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

```
.background{ background-color: rgb(152,  
222, 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](#).

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