

Converting Colors

CIELCh(85, 8.581, 237.002)

Have a look what the booklet for
CIELCh(85, 8.581, 237.002) contains.

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Color

CIELCh(85, 8.575, 236.996)

Conversions

Conversions Part 1

Format	Color
Hex	C4D8E2
RGB	196, 216, 226
RGB Percent	77%, 85%, 89%
CMY	0.2332, 0.1548, 0.1156
CMYK	0.13, 0.04, 0.00, 0.12
HSL	200°, 34%, 83%
HSV	200°, 13%, 88%
XYZ	60.7400, 66.0070, 81.1472
YIQ	211.1600, -15.1300, -1.1300

Conversions

Conversions Part 2

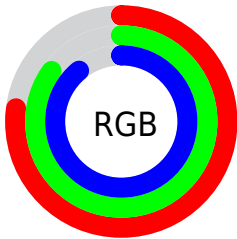
Format	Color
R _Y B	196, 208, 226
Decimal	12900578
CIE Lab	85.00, -4.67, -7.19
CIE LCh	85, 8.575, 236.996
Yxy	66.0070, 0.2922, 0.3175
Android (android.graphics.Color)	4291090658 (0xFFC4D8E2)
YUV	211.1600, 7.3161, -13.2953
Hunter-Lab	81.2447, -8.7285, -2.3475

Details

The CIELCh color `85, 8.575, 236.996` is a light color, and the websafe version is hex `CCCCCC`, and the color name is [columbia blue](#). A complement of this color would be `84, 9.180, 54.585`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `65, 8.692, 238.863` is the 20% darker color. If you saturate the color by 10%, you get `82, 14.700, 238.164`, and if you desaturate by 10%, it is `89, 2.168, 236.200`.

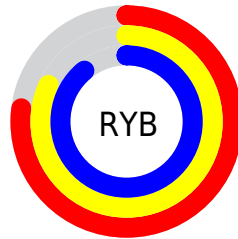
Distribution



Red (77%)

Green (85%)

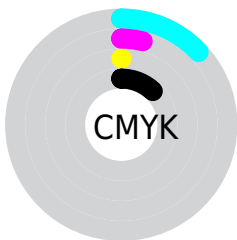
Blue (89%)



Red (77%)

Yellow (82%)

Blue (89%)

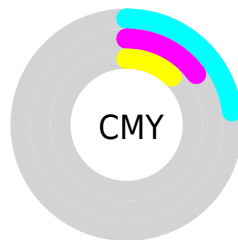


Cyan (13%)

Magenta (4%)

Yellow (0%)

Black (12%)



Cyan (23%)

Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 8.575, 236.996 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, 8.575, 236.996 by changing the saturation by 10% instead.

■ 85, 8.575, 236.996

■ 85, 8.575, 236.996

■ 100, 8.575,
236.996

■ 75, 8.575, 236.996

■ 65, 8.575, 236.996

■ 55, 8.575, 236.996

■ 45, 8.575, 236.996

■ 35, 8.575, 236.996

■ 25, 8.575, 236.996

■ 15, 8.575, 236.996

■ 5, 8.575, 236.996

■ 0, 8.575, 236.996

85, 8.575, 236.996

85, 8.575, 236.996

82, 14.700,
238.164

89, 2.168, 236.200

78, 20.475,
239.664

92, 4.457, 55.058

75, 25.831,
241.546

95, 8.906, 65.664

72, 30.709,
243.892

99, 13.987,
106.281

69, 35.074,
246.792

99, 14.914,
109.050

66, 38.933,
250.324

63, 42.358,
254.528

61, 45.496,
259.361

■ 59, 47.578,
262.780

Harmonies

Complementary

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



85, 8.575, 236.996



84, 9.180, 54.585

Rectangle

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



85, 8.575, 236.996



85, 8.575, 286.996



85, 8.575, 56.996



85, 8.575, 106.996

Sweetspot

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



85, 8.575, 236.983



98, 2.901, 236.219



87, 15.295, 154.015



52, 2.059, 236.255



0, 0.000, 0.000



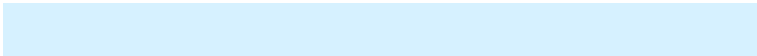
53, 0.007, 296.813

Same Dimension

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



85, 8.575, 236.983



94, 11.333, 237.285



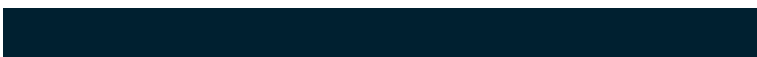
81, 13.109, 283.021



45, 3.674, 236.609



47, 39.135, 261.850



11, 14.737, 251.906

Inverse Universe

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



82, 15.220, 336.588



90, 20.270, 336.805



88, 12.893, 99.876



44, 6.453, 336.293



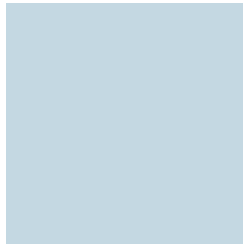
39, 68.527, 347.315



7, 28.781, 343.355

Previews

White Background



This preview shows how the CIELCh color 85, 8.575, 236.996 looks on a white background.

Color Contrast Check

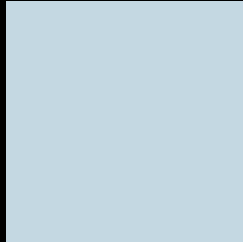
Large Text (above 18pt) WCAG AA × Fail

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, 8.575, 236.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

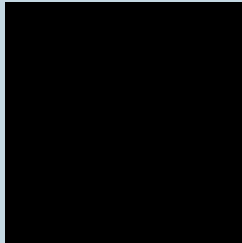
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

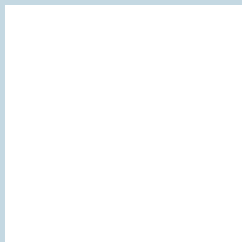
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 8.575, 236.996

Background



This preview shows how black text looks on a background with the CIELCh color 85, 8.575, 236.996.

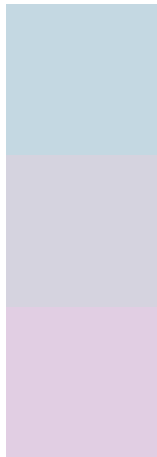


This preview shows how white text looks on a background with the CIELCh color 85, 8.575, 236.996.

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, 8.575, 236.996

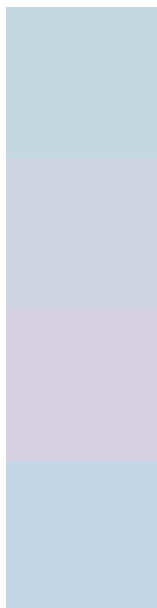
Protanopia
85, 6.370, 297.102

Deuteranopia
85, 13.022, 322.281



Tritanopia
85, 10.715, 255.942

Trichromacy



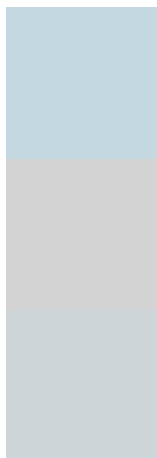
Original Color
85, 8.575, 236.996

Protanomaly
85, 6.122, 270.558

Deuteranomaly
85, 9.160, 302.022

Tritanomaly
85, 10.095, 250.729

Monochromacy



Original Color
85, 8.575, 236.996

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 3.233, 228.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 8.575, 236.996 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(196, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 226)  
}
```

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(196, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 8.575, 236.996 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(196, 216, 226) }
```

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

```
.border{ border-color:rgb(196, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 8.575, 236.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 226) }
```

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

```
.background{ background-color: rgb(196,  
216, 226) }
```

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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