

Converting Colors

CIELCh(85, 33.678, 166.141)

Have a look what the booklet for
CIELCh(85, 33.678, 166.141)
contains.

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Color

CIELCh(85, 33.699, 166.120)

Conversions

Conversions Part 1

Format	Color
Hex	91E5C4
RGB	145, 229, 196
RGB Percent	57%, 90%, 77%
CMY	0.4316, 0.1022, 0.2316
CMYK	0.37, 0.00, 0.14, 0.10
HSL	156°, 62%, 73%
HSV	156°, 37%, 90%
XYZ	49.6302, 66.0070, 62.3186
YIQ	200.1220, -39.4710, -28.0710

Conversions

Conversions Part 2

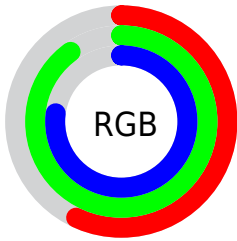
Format	Color
RYB	145, 197, 229
Decimal	9561540
CIELab	85.00, -32.71, 8.08
CIELCh	85, 33.699, 166.120
Yxy	66.0070, 0.2789, 0.3709
Android (android.graphics.Color)	4287751620 (0xFF91E5C4)
YUV	200.1220, -2.0321, -48.3420
Hunter-Lab	81.2447, -33.1373, 11.3930

Details

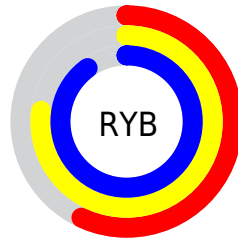
The CIELCh color **85, 33.699, 166.120** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 36.326, 353.907**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 17.920, 195.017**, and **65, 33.816, 165.977** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.055, 164.828**, and if you desaturate by 10%, it is **86, 24.854, 167.280**.

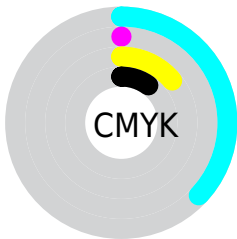
Distribution



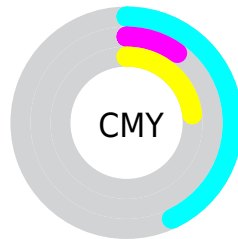
- Red (57%)
- Green (90%)
- Blue (77%)



- Red (57%)
- Yellow (77%)
- Blue (90%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (43%)
- Magenta (10%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.699, 166.120 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, 33.699, 166.120 by changing the saturation by 10% instead.


 85, 33.699,
166.120


 85, 33.699,
166.120


 100, 33.699,
166.120


 75, 33.699,
166.120

 65, 33.699,
166.120

 55, 33.699,
166.120

 45, 33.699,
166.120

 35, 33.699,
166.120

 25, 33.699,
166.120

 15, 33.699,

166.120

■ 5, 33.699, 166.120

■ 0, 33.699, 166.120

■ 85, 33.699,
166.120

■ 85, 33.699,
166.120

■ 84, 42.055,
164.828

■ 86, 24.854,
167.280

■ 83, 49.761,
163.380

■ 88, 15.674,
168.337

■ 82, 56.677,
161.751

■ 90, 6.305, 169.338

■ 81, 62.705,
159.919

■ 92, 3.132, 349.980

■ 93, 11.178,
346.740

■ 81, 67.815,

157.872

94, 14.219,
330.971

81, 72.074,
155.628

94, 16.279,
324.988

81, 73.385,
154.884

Harmonies

Complementary

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



85, 33.699, 166.120



70, 36.326, 353.907

Rectangle

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



85, 33.699, 166.120



85, 33.699, 216.120



85, 33.699, 346.120



85, 33.699, 36.120

Sweetspot

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



85, 33.700, 166.119



98, 11.305, 168.899



86, 47.314, 130.773



52, 7.592, 168.764



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, 33.700, 166.119



93, 43.483, 165.154



84, 24.154, 208.507



47, 5.361, 169.059



64, 60.464, 155.291



18, 23.591, 159.443

Inverse Universe

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



70, 36.326, 353.907



73, 47.544, 355.076



71, 31.645, 30.395



45, 5.468, 350.669



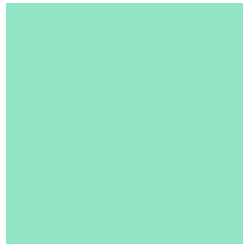
38, 64.961, 12.217



7, 26.880, 2.775

Previews

White Background



This preview shows how the CIE LCh color 85, 33.699, 166.120 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, 33.699, 166.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

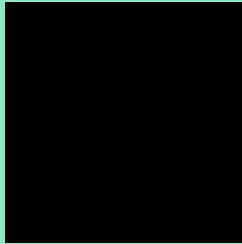
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

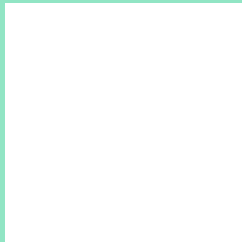
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 33.699, 166.120

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.699, 166.120.

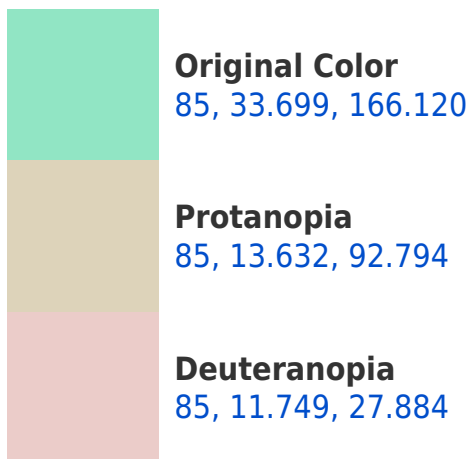


This preview shows how white text looks on a background with the CIELCh color 85, 33.699, 166.120.

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, 22.990, 222.629

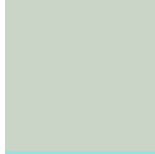
Trichromacy



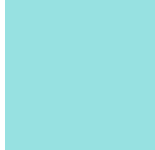
Original Color
85, 33.699, 166.120



Protanomaly
85, 17.409, 140.851



Deuteranomaly
84, 8.425, 138.114

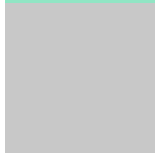


Tritanomaly
85, 23.916, 197.796

Monochromacy



Original Color
85, 33.699, 166.120



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 12.877, 168.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.699, 166.120 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(145, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(145, 229, 196)  
}
```

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(145, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 229, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.699, 166.120 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(145, 229, 196) }
```

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

```
.border{ border-color:rgb(145, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 229, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 229, 196); box-shadow:4px 4px 4px 4px rgb(145, 229, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.699, 166.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 229, 196) }
```

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

```
.background{ background-color: rgb(145,  
229, 196) }
```

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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