

Converting Colors

CIELCh(85, 31.213, 172.257)

Have a look what the booklet for
CIELCh(85, 31.213, 172.257)
contains.

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Color

CIELCh(85, 31.055, 172.163)

Conversions

Conversions Part 1

Format	Color
Hex	91E4CB
RGB	145, 228, 203
RGB Percent	57%, 89%, 80%
CMY	0.4303, 0.1048, 0.2029
CMYK	0.36, 0.00, 0.11, 0.10
HSL	162°, 61%, 73%
HSV	162°, 36%, 90%
XYZ	50.3548, 66.0070, 66.7539
YIQ	200.3330, -41.4430, -25.3710

Conversions

Conversions Part 2

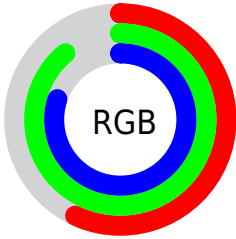
Format	Color
RYB	145, 194, 228
Decimal	9561291
CIELab	85.00, -30.76, 4.23
CIELCh	85, 31.055, 172.163
Yxy	66.0070, 0.2750, 0.3605
Android (android.graphics.Color)	4287751371 (0xFF91E4CB)
YUV	200.3330, 1.3148, -48.5270
Hunter-Lab	81.2447, -31.5453, 8.1563

Details

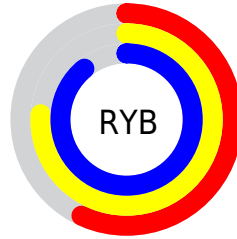
The CIELCh color **85, 31.055, 172.163** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **69, 34.621, 0.154**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 17.795, 198.327**, and **65, 30.985, 172.356** is the 20% darker color. If you saturate the color by 10%, you get **84, 38.625, 170.912**, and if you desaturate by 10%, it is **86, 22.939, 173.301**.

Distribution



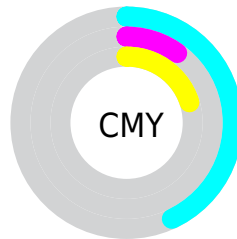
- Red (57%)
- Green (89%)
- Blue (80%)



- Red (57%)
- Yellow (76%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (43%)
- Magenta (10%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.055, 172.163 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, 31.055, 172.163 by changing the saturation by 10% instead.


 85, 31.055,
172.163


 85, 31.055,
172.163


 100, 31.055,
172.163


 75, 31.055,
172.163

 65, 31.055,
172.163

 55, 31.055,
172.163

 45, 31.055,
172.163

 35, 31.055,
172.163

 25, 31.055,
172.163

 15, 31.055,

172.163

■ 5, 31.055, 172.163

■ 0, 31.055, 172.163

■ 85, 31.055,
172.163

■ 85, 31.055,
172.163

■ 84, 38.625,
170.912

■ 86, 22.939,
173.301

■ 83, 45.499,
169.529

■ 88, 14.425,
174.357

■ 82, 51.551,
167.987

■ 90, 5.653, 175.380

■ 82, 56.697,
166.261

■ 91, 3.254, 356.029

■ 93, 10.746,
353.469

■ 81, 60.921,

164.335

93, 12.687,
339.003

81, 64.295,
162.211

93, 15.228,
328.936

81, 65.410,
161.429

94, 16.701,
325.003

Harmonies

Complementary

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



85, 31.055, 172.163



69, 34.621, 0.154

Rectangle

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



85, 31.055, 172.163



85, 31.055, 222.163



85, 31.055, 352.163



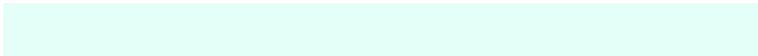
85, 31.055, 42.163

Sweetspot

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



85, 31.056, 172.161



98, 10.659, 174.894



85, 47.949, 133.434



52, 7.154, 174.756



0, 0.000, 0.000



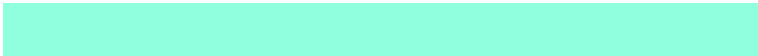
53, 0.007, 296.813

Same Dimension

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



85, 31.056, 172.161



93, 40.330, 171.184



81, 22.612, 219.136



47, 5.059, 175.058



65, 54.087, 161.812



18, 21.399, 165.699

Inverse Universe

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



69, 34.621, 0.154



72, 46.061, 1.507



72, 29.421, 37.753



45, 5.199, 356.713



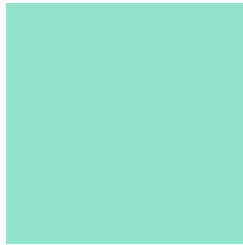
37, 66.999, 20.838



7, 26.660, 8.429

Previews

White Background



This preview shows how the CIE LCh color 85, 31.055, 172.163 looks on a white background.

Color Contrast Check

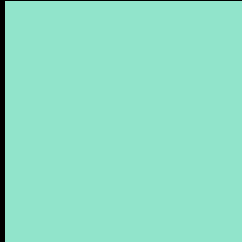
Large Text (above 18pt) WCAG AA × Fail

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, 31.055, 172.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

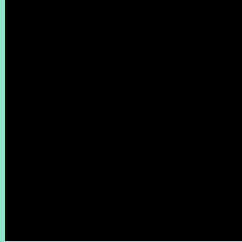
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

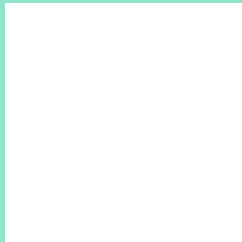
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 31.055, 172.163

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.055, 172.163.

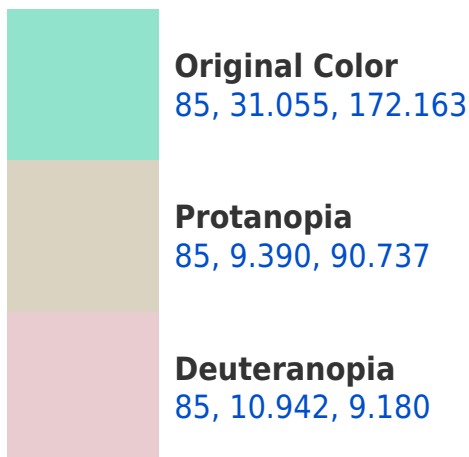


This preview shows how white text looks on a background with the CIELCh color 85, 31.055, 172.163.

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



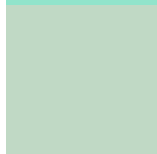


Tritanopia
85, 23.237, 222.337

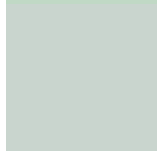
Trichromacy



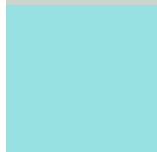
Original Color
85, 31.055, 172.163



Protanomaly
84, 13.985, 149.789



Deuteranomaly
84, 5.725, 159.059



Tritanomaly
85, 23.795, 200.372

Monochromacy



Original Color
85, 31.055, 172.163



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.774, 174.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.055, 172.163 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, 228, 203)` looks like.

```
.text, #text, p{  
    color:rgb(145, 228, 203)  
}
```

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, 228, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 228, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.055, 172.163 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, 228, 203) }
```

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

```
.border{ border-color:rgb(145, 228, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 228, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 228, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 228, 203); box-shadow:4px 4px 4px 4px rgb(145, 228, 203) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.055, 172.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 228, 203) }
```

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

```
.background{ background-color: rgb(145,  
228, 203) }
```

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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