

Converting Colors

CIELCh(85, 29.562, 188.102)

Have a look what the booklet for
CIELCh(85, 29.562, 188.102)
contains.

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Color

CIELCh(85, 29.557, 188.115)

Conversions

Conversions Part 1

Format	Color
Hex	89E4DB
RGB	137, 228, 219
RGB Percent	54%, 89%, 86%
CMY	0.4622, 0.1054, 0.1407
CMYK	0.40, 0.00, 0.04, 0.11
HSL	174°, 63%, 72%
HSV	174°, 40%, 89%
XYZ	50.9185, 66.0070, 77.1612
YIQ	199.7650, -51.3470, -22.0910

Conversions

Conversions Part 2

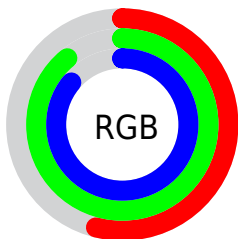
Format	Color
RYB	137, 185, 228
Decimal	9037019
CIELab	85.00, -29.26, -4.17
CIELCh	85, 29.557, 188.115
Yxy	66.0070, 0.2623, 0.3401
Android (android.graphics.Color)	4287227099 (0xFF89E4DB)
YUV	199.7650, 9.4829, -55.0449
Hunter-Lab	81.2447, -30.3070, 0.5614

Details

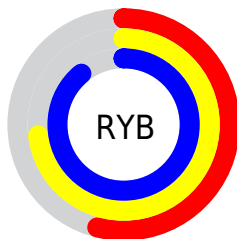
The CIELCh color **85, 29.557, 188.115** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 37.147, 15.903**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **65, 29.568, 188.215** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.395, 187.276**, and if you desaturate by 10%, it is **86, 22.954, 188.927**.

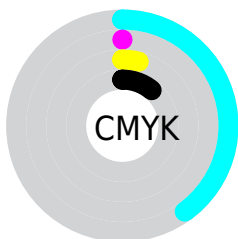
Distribution



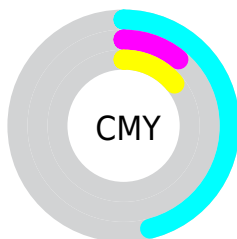
- Red (54%)
- Green (89%)
- Blue (86%)



- Red (54%)
- Yellow (73%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.557, 188.115 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, 29.557, 188.115 by changing the saturation by 10% instead.


 85, 29.557,
188.115


 85, 29.557,
188.115


 100, 29.557,
188.115


 75, 29.557,
188.115

 65, 29.557,
188.115

 55, 29.557,
188.115

 45, 29.557,
188.115

 35, 29.557,
188.115

 25, 29.557,
188.115

 15, 29.557,

188.115

■ 5, 29.557, 188.115

■ 0, 29.557, 188.115

■ 85, 29.557,
188.115

■ 85, 29.557,
188.115

■ 84, 35.395,
187.276

■ 86, 22.954,
188.927

■ 83, 40.350,
186.405

■ 87, 15.720,
189.730

■ 83, 44.337,
185.482

■ 89, 7.994, 190.545

■ 82, 47.325,
184.490

■ 91, 0.094, 4.957

■ 93, 8.428, 11.932

■ 82, 49.352,

183.411

93, 9.991, 6.570

82, 50.607,
182.247

93, 10.298, 0.268

82, 50.619,
182.234

93, 10.725,
354.406

93, 11.258,
349.053

Harmonies

Complementary

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



85, 29.557, 188.115



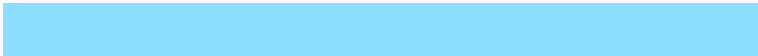
67, 37.147, 15.903

Rectangle

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



85, 29.557, 188.115



85, 29.557, 238.115



85, 29.557, 8.115



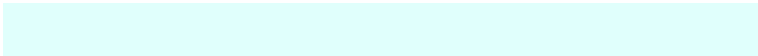
85, 29.557, 58.115

Sweetspot

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



85, 29.557, 188.113



98, 10.570, 190.363



84, 56.068, 139.120



52, 6.992, 190.255



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, 29.557, 188.113



93, 37.552, 187.412



75, 25.265, 250.075



47, 4.617, 190.582



65, 42.059, 182.438



18, 17.357, 184.419

Inverse Universe

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



67, 37.147, 15.903



69, 49.837, 17.556



75, 30.519, 59.934



45, 4.849, 11.955



37, 75.826, 35.784



6, 26.822, 17.660

Previews

White Background



This preview shows how the CIE LCh color 85, 29.557, 188.115 looks on a white background.

Color Contrast Check

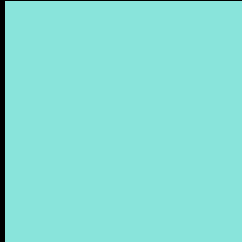
Large Text (above 18pt) WCAG AA × Fail

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, 29.557, 188.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

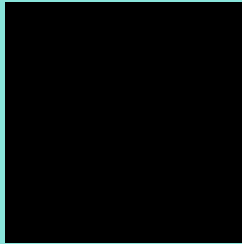
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

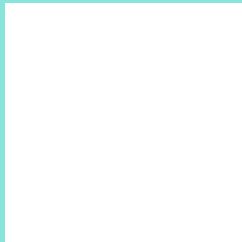
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 29.557, 188.115

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.557, 188.115.

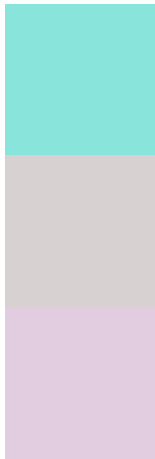


This preview shows how white text looks on a background with the CIELCh color 85, 29.557, 188.115.

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, 29.557, 188.115

Protanopia
85, 1.889, 35.363

Deuteranopia
85, 12.572, 327.640



Tritanopia
85, 26.375, 219.096

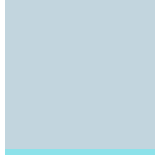
Trichromacy



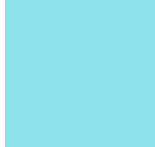
Original Color
85, 29.557, 188.115



Protanomaly
84, 10.771, 187.372



Deuteranomaly
84, 8.031, 235.388

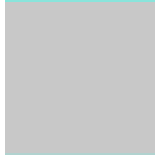


Tritanomaly
85, 26.567, 206.892

Monochromacy



Original Color
85, 29.557, 188.115



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.703, 190.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.557, 188.115 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(137, 228, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 228, 219)  
}
```

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(137, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 228, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.557, 188.115 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(137, 228, 219) }
```

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

```
.border{ border-color:rgb(137, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(137, 228,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.557, 188.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 228, 219) }
```

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

```
.background{ background-color: rgb(137,  
228, 219) }
```

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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