

Converting Colors

CIELCh(85, 27.373, 178.711)

Have a look what the booklet for
CIELCh(85, 27.373, 178.711)
contains.

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Color

CIELCh(85, 27.408, 178.403)

Conversions

Conversions Part 1

Format	Color
Hex	96E3D2
RGB	150, 227, 210
RGB Percent	59%, 89%, 82%
CMY	0.4121, 0.1102, 0.1768
CMYK	0.34, 0.00, 0.07, 0.11
HSL	167°, 58%, 74%
HSV	167°, 34%, 89%
XYZ	51.6228, 66.0070, 70.9288
YIQ	202.0390, -40.4350, -21.6110

Conversions

Conversions Part 2

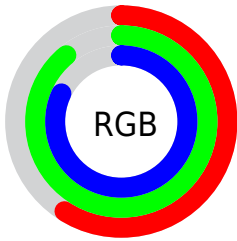
Format	Color
RYB	150, 193, 227
Decimal	9888722
CIELab	85.00, -27.40, 0.76
CIELCh	85, 27.408, 178.403
Yxy	66.0070, 0.2738, 0.3501
Android (android.graphics.Color)	4288078802 (0xFF96E3D2)
YUV	202.0390, 3.9248, -45.6382
Hunter-Lab	81.2447, -28.7596, 5.1095

Details

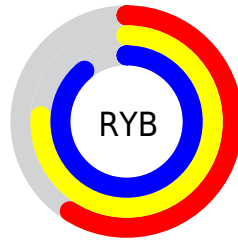
The CIELCh color **85, 27.408, 178.403** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 31.347, 5.651**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.252, 198.426**, and **65, 27.018, 179.052** is the 20% darker color. If you saturate the color by 10%, you get **84, 34.472, 177.272**, and if you desaturate by 10%, it is **86, 19.772, 179.452**.

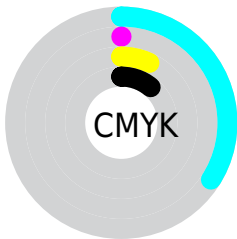
Distribution



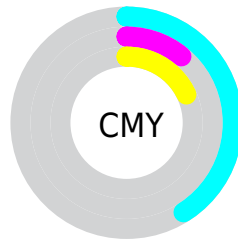
- Red (59%)
- Green (89%)
- Blue (82%)



- Red (59%)
- Yellow (76%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 27.408, 178.403 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, 27.408, 178.403 by changing the saturation by 10% instead.


 85, 27.408,
178.403


 85, 27.408,
178.403


 100, 27.408,
178.403


 75, 27.408,
178.403

 65, 27.408,
178.403

 55, 27.408,
178.403

 45, 27.408,
178.403

 35, 27.408,
178.403


 25, 27.408,
178.403

 15, 27.408,


178.403


 5, 27.408, 178.403


 0, 27.408, 178.403

 85, 27.408,
178.403


 85, 27.408,
178.403

 84, 34.472,
177.272


 86, 19.772,
179.452

 83, 40.819,
176.044


 88, 11.704,
180.449

 82, 46.327,
174.695

 89, 3.340, 181.491

 82, 50.913,
173.198

 91, 5.201, 2.098

 93, 10.943,
357.924

 81, 54.554,

171.532

93, 12.110,
346.519

81, 57.305,
169.685

93, 13.677,
337.458

81, 58.675,
168.510

93, 15.525,
330.448

93, 17.563,
325.039

Harmonies

Complementary

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



85, 27.408, 178.403



70, 31.347, 5.651

Rectangle

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



85, 27.408, 178.403



85, 27.408, 228.403



85, 27.408, 358.403



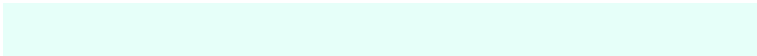
85, 27.408, 48.403

Sweetspot

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



85, 27.409, 178.401



98, 9.280, 180.830



85, 45.724, 136.034



52, 6.320, 180.690



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, 27.409, 178.401



93, 35.663, 177.582



80, 20.726, 230.427



46, 4.754, 180.892



64, 48.287, 168.867



17, 18.951, 172.473

Inverse Universe

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



70, 31.347, 5.651



74, 42.094, 6.901



74, 25.892, 46.055



44, 4.924, 2.508



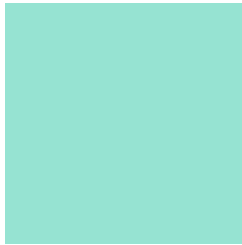
37, 69.298, 27.633



6, 25.283, 11.577

Previews

White Background



This preview shows how the CIE LCh color 85, 27.408, 178.403 looks on a white background.

Color Contrast Check

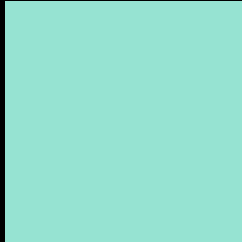
Large Text (above 18pt) WCAG AA × Fail

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, 27.408, 178.403 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

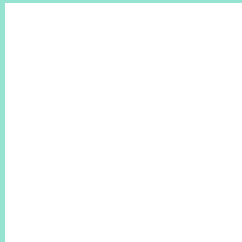
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 27.408, 178.403

Background



This preview shows how black text looks on a background with the CIELCh color 85, 27.408, 178.403.

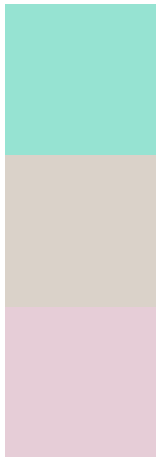


This preview shows how white text looks on a background with the CIELCh color 85, 27.408, 178.403.

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, 27.408, 178.403

Protanopia
85, 5.556, 77.502

Deuteranopia
85, 10.551, 350.369



Tritanopia
85, 22.248, 223.563

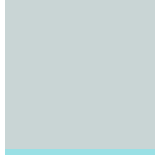
Trichromacy



Original Color
85, 27.408, 178.403



Protanomaly
84, 10.480, 161.658



Deuteranomaly
84, 4.276, 199.230

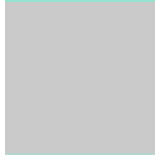


Tritanomaly
85, 22.600, 204.658

Monochromacy



Original Color
85, 27.408, 178.403



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 10.483, 181.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 27.408, 178.403 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(150, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(150, 227, 210)  
}
```

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(150, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 227, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 27.408, 178.403 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(150, 227, 210) }
```

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

```
.border{ border-color:rgb(150, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(150, 227,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 27.408, 178.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 227, 210) }
```

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

```
.background{ background-color: rgb(150,  
227, 210) }
```

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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