

Converting Colors

CIELCh(85, 21.333, 196.489)

Have a look what the booklet for
CIELCh(85, 21.333, 196.489)
contains.

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Color

CIELCh(85, 21.425, 196.538)

Conversions

Conversions Part 1

Format	Color
Hex	9FE0DF
RGB	159, 224, 223
RGB Percent	62%, 88%, 87%
CMY	0.3765, 0.1216, 0.1255
CMYK	0.29, 0.00, 0.00, 0.12
HSL	179°, 51%, 75%
HSV	179°, 29%, 88%
XYZ	54.2705, 66.0070, 79.6891
YIQ	204.4510, -38.4190, -14.0910

Conversions

Conversions Part 2

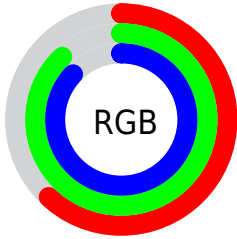
Format	Color
RYB	159, 192, 224
Decimal	10477791
CIELab	85.00, -20.54, -6.10
CIElCh	85, 21.425, 196.538
Yxy	66.0070, 0.2714, 0.3301
Android (android.graphics.Color)	4288667871 (0xFF9FE0DF)
YUV	204.4510, 9.1447, -39.8605
Hunter-Lab	81.2447, -22.9423, -1.2835

Details

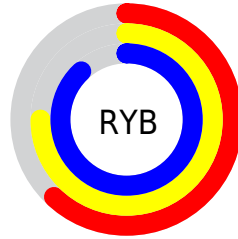
The CIELCh color **85, 21.425, 196.538** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 25.976, 20.626**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.412, 198.611**, and **65, 21.512, 196.114** is the 20% darker color. If you saturate the color by 10%, you get **84, 27.642, 196.046**, and if you desaturate by 10%, it is **86, 14.528, 197.071**.

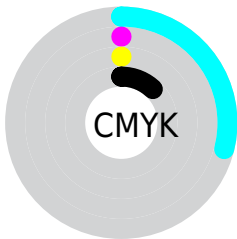
Distribution



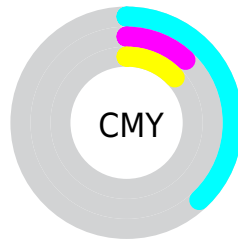
- Red (62%)
- Green (88%)
- Blue (87%)



- Red (62%)
- Yellow (75%)
- Blue (88%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (38%)
- Magenta (12%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.425, 196.538 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, 21.425, 196.538 by changing the saturation by 10% instead.


 85, 21.425,
196.538


 85, 21.425,
196.538


 100, 21.425,
196.538


 75, 21.425,
196.538

 65, 21.425,
196.538

 55, 21.425,
196.538

 45, 21.425,
196.538

 35, 21.425,
196.538

 25, 21.425,
196.538

 15, 21.425,

196.538

■ 5, 21.425, 196.538

■ 0, 21.425, 196.538

■ 85, 21.425,
196.538

■ 85, 21.425,
196.538

■ 84, 27.642,
196.046

■ 86, 14.528,
197.071

■ 83, 33.052,
195.605

■ 88, 7.081, 197.674

■ 89, 0.790, 17.421

■ 82, 37.551,
195.211

■ 91, 8.968, 18.727

■ 82, 41.069,
194.865

■ 92, 11.346, 18.280

■ 81, 43.586,

■ 92, 11.347, 17.384

194.559

92, 11.351, 16.489

81, 45.147,
194.288

92, 11.357, 15.595

81, 45.913,
194.040

92, 11.367, 14.702

81, 45.973,
194.017

Harmonies

Complementary

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



85, 21.425, 196.538



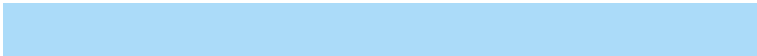
72, 25.976, 20.626

Rectangle

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



85, 21.425, 196.538



85, 21.425, 246.538



85, 21.425, 16.538



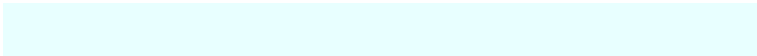
85, 21.425, 66.538

Sweetspot

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



85, 21.426, 196.534



98, 7.849, 197.671



84, 41.505, 142.030



52, 5.434, 197.576



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, 21.426, 196.534



95, 28.002, 196.224



77, 19.776, 258.077



46, 4.460, 197.646



65, 38.377, 194.054



17, 15.734, 194.430

Inverse Universe

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



72, 25.976, 20.626



77, 35.578, 21.461



79, 21.610, 70.051



44, 4.727, 18.684



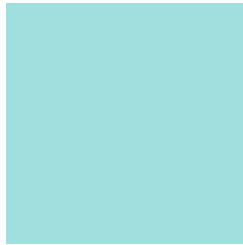
36, 78.435, 39.322



6, 25.503, 20.292

Previews

White Background



This preview shows how the CIE LCh color 85, 21.425, 196.538 looks on a white background.

Color Contrast Check

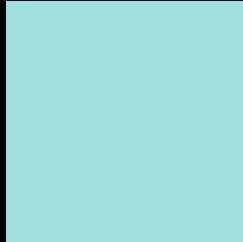
Large Text (above 18pt) WCAG AA × Fail

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, 21.425, 196.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

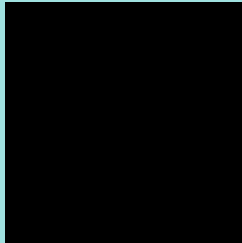
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

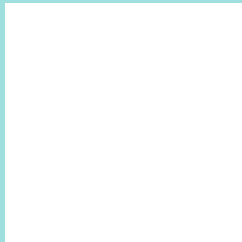
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 21.425, 196.538

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.425, 196.538.

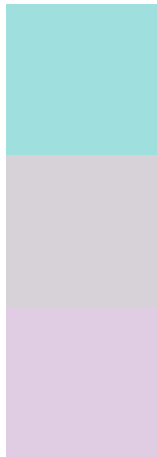


This preview shows how white text looks on a background with the CIELCh color 85, 21.425, 196.538.

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, 21.425, 196.538

Protanopia
85, 3.024, 318.841

Deuteranopia
85, 13.664, 322.427

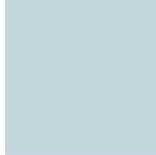


Tritanopia
85, 20.492, 226.032

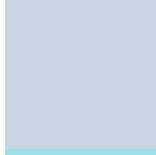
Trichromacy



Original Color
85, 21.425, 196.538



Protanomaly
85, 7.483, 211.192



Deuteranomaly
84, 8.230, 263.170

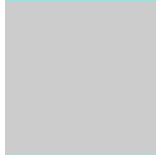


Tritanomaly
85, 20.055, 215.070

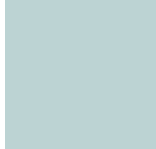
Monochromacy



Original Color
85, 21.425, 196.538



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 8.104, 198.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.425, 196.538 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(159, 224, 223)` looks like.

```
.text, #text, p{  
    color:rgb(159, 224, 223)  
}
```

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(159, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 224, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.425, 196.538 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(159, 224, 223) }
```

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

```
.border{ border-color:rgb(159, 224, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 224, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(159, 224,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.425, 196.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 224, 223) }
```

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

```
.background{ background-color: rgb(159,  
224, 223) }
```

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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