

Converting Colors

CIELCh(85, 67.768, 160.028)

Have a look what the booklet for
CIELCh(85, 67.768, 160.028)
contains.

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Color

CIELCh(85, 67.841, 159.953)

Conversions

Conversions Part 1

Format	Color
Hex	23F1A6
RGB	35, 241, 166
RGB Percent	14%, 95%, 65%
CMY	0.8629, 0.0550, 0.3491
CMYK	0.85, 0.00, 0.31, 0.05
HSL	158°, 88%, 54%
HSV	158°, 85%, 95%
XYZ	39.0216, 66.0070, 46.7507
YIQ	170.8560, -98.7010, -66.9970

Conversions

Conversions Part 2

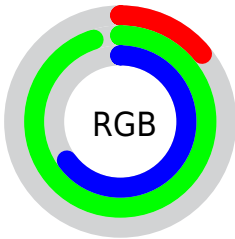
Format	Color
R_{YB}	35, 161, 241
Decimal	2355622
CIE _{Lab}	85.00, -63.73, 23.26
CIE _{LCh}	85, 67.841, 159.953
Yxy	66.0070, 0.2571, 0.4349
Android (android.graphics.Color)	4280545702 (0xFF23F1A6)
YUV	170.8560, -2.3940, -119.1457
Hunter-Lab	81.2447, -56.4452, 22.7540

Details

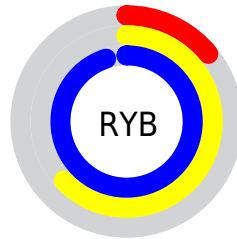
The CIELCh color **85, 67.841, 159.953** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **53, 77.310, 8.816**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 45.299, 173.659**, and **66, 60.503, 156.275** is the 20% darker color. If you saturate the color by 10%, you get **85, 72.065, 157.740**, and if you desaturate by 10%, it is **85, 62.718, 161.961**.

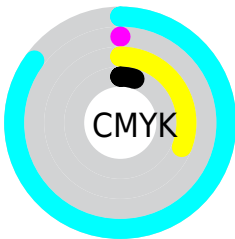
Distribution



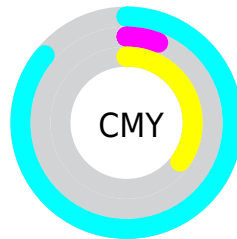
- Red (14%)
- Green (95%)
- Blue (65%)



- Red (14%)
- Yellow (63%)
- Blue (95%)



- Cyan (85%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (86%)
- Magenta (6%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 67.841, 159.953 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, 67.841, 159.953 by changing the saturation by 10% instead.


 85, 67.841,
159.953


 85, 67.841,
159.953


 100, 67.841,
159.953


 75, 67.841,
159.953

 65, 67.841,
159.953

 55, 67.841,
159.953

 45, 67.841,
159.953

 35, 67.841,
159.953

 25, 67.841,
159.953

 15, 67.841,

159.953

■ 5, 67.841, 159.953

■ 0, 67.841, 159.953

■ 85, 67.841,
159.953

■ 85, 67.841,
159.953

■ 85, 72.065,
157.740

■ 85, 62.718,
161.961

■ 85, 73.781,
156.720

■ 86, 56.634,
163.756

■ 87, 49.625,
165.354

■ 88, 41.792,
166.778

■ 89, 33.282,

168.053

■ 91, 24.257,
169.205

■ 92, 14.880,
170.261

■ 94, 5.297, 171.281

■ 96, 4.365, 351.948

Harmonies

Complementary

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



85, 67.841, 159.953



53, 77.310, 8.816

Rectangle

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



85, 67.841, 159.953



85, 67.841, 209.953



85, 67.841, 339.953



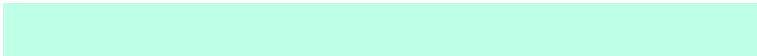
85, 67.841, 29.953

Sweetspot

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



85, 67.841, 159.953



95, 25.882, 169.140



85, 102.494, 130.823



50, 17.465, 168.750



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, 67.841, 159.953



89, 77.112, 156.645



79, 41.105, 218.136



49, 5.451, 170.868



66, 59.719, 157.145



20, 24.500, 160.812

Inverse Universe

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



53, 77.310, 8.816



54, 85.866, 16.338



54, 86.334, 40.024



47, 5.572, 352.509



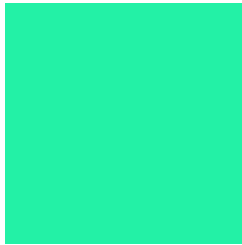
39, 66.821, 15.110



8, 28.770, 6.098

Previews

White Background



This preview shows how the CIE LCh color 85, 67.841, 159.953 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, 67.841, 159.953 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, 67.841, 159.953

Background



This preview shows how black text looks on a background with the CIELCh color 85, 67.841, 159.953.

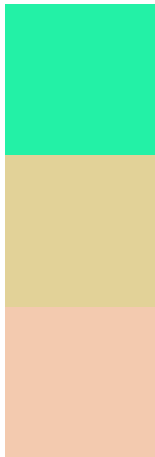


This preview shows how white text looks on a background with the CIELCh color 85, 67.841, 159.953.

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, 67.841, 159.953

Protanopia
84, 30.941, 95.502

Deuteranopia
84, 21.672, 60.720



Tritanopia
85, 38.299, 212.414

Trichromacy



Original Color
85, 67.841, 159.953



Protanomaly
83, 41.191, 142.430



Deuteranomaly
82, 29.539, 145.793

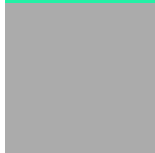


Tritanomaly
85, 45.293, 186.291

Monochromacy



Original Color
85, 67.841, 159.953



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 29.858, 167.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 67.841, 159.953 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(35, 241, 166)` looks like.

```
.text, #text, p{  
    color:rgb(35, 241, 166)  
}
```

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(35, 241, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 241, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 67.841, 159.953 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(35, 241, 166) }
```

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

```
.border{ border-color:rgb(35, 241, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 241, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 241, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 241, 166);  
box-shadow:4px 4px 4px 4px rgb(35, 241,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 67.841, 159.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 241, 166) }
```

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

```
.background{ background-color: rgb(35, 241,  
166) }
```

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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