

Converting Colors

CIELCh(84, 35.770, 176.135)

Have a look what the booklet for
CIELCh(84, 35.770, 176.135)
contains.

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Color

CIELCh(84, 35.762, 176.158)

Conversions

Conversions Part 1

Format	Color
Hex	7DE4CC
RGB	125, 228, 204
RGB Percent	49%, 89%, 80%
CMY	0.5106, 0.1067, 0.2008
CMYK	0.45, 0.00, 0.11, 0.11
HSL	166°, 65%, 69%
HSV	166°, 45%, 89%
XYZ	46.9876, 64.0658, 66.8885
YIQ	194.4670, -53.6840, -29.3000

Conversions

Conversions Part 2

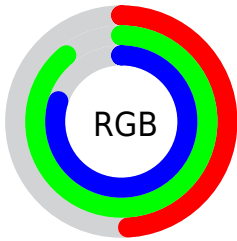
Format	Color
RYB	125, 183, 228
Decimal	8250572
CIELab	84.00, -35.68, 2.40
CIELCh	84, 35.762, 176.158
Yxy	64.0658, 0.2641, 0.3600
Android (android.graphics.Color)	4286440652 (0xFF7DE4CC)
YUV	194.4670, 4.6998, -60.9226
Hunter-Lab	80.0411, -35.2847, 6.4815

Details

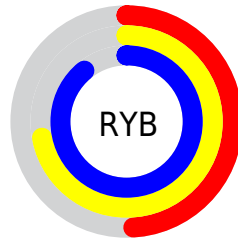
The CIELCh color **84, 35.762, 176.158** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 42.614, 6.745**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **64, 35.802, 176.287** is the 20% darker color. If you saturate the color by 10%, you get **83, 42.127, 174.890**, and if you desaturate by 10%, it is **85, 28.672, 177.316**.

Distribution



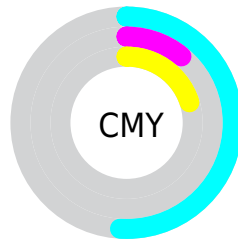
- Red (49%)
- Green (89%)
- Blue (80%)



- Red (49%)
- Yellow (72%)
- Blue (89%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (51%)
- Magenta (11%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 35.762, 176.158 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 84, 35.762, 176.158 by changing the saturation by 10% instead.


 84, 35.762,
176.158


 84, 35.762,
176.158


 100, 35.762,
176.158


 74, 35.762,
176.158

 64, 35.762,
176.158

 54, 35.762,
176.158

 44, 35.762,
176.158

 34, 35.762,
176.158

 24, 35.762,
176.158

 14, 35.762,

176.158

■ 4, 35.762, 176.158

■ 0, 35.762, 176.158

■ 84, 35.762,
176.158

■ 84, 35.762,
176.158

■ 83, 42.127,
174.890

■ 85, 28.672,
177.316

■ 82, 47.644,
173.492

■ 86, 20.996,
178.391

■ 82, 52.235,
171.938

■ 88, 12.882,
179.404

■ 81, 55.883,
170.207

■ 90, 4.464, 180.422

■ 81, 58.656,

■ 91, 4.134, 1.055

168.291

93, 10.598,
357.752

81, 59.790,
167.344

93, 11.864,
345.431

93, 13.577,
335.891

93, 15.591,
328.698

Harmonies

Complementary

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



84, 35.762, 176.158



64, 42.614, 6.745

Rectangle

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



84, 35.762, 176.158



84, 35.762, 226.158



84, 35.762, 356.158



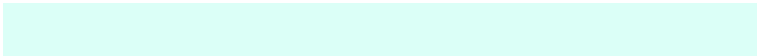
84, 35.762, 46.158

Sweetspot

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



84, 35.763, 176.156



97, 13.008, 179.516



84, 60.633, 135.321



52, 8.953, 179.300



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 35.763, 176.156



92, 45.303, 175.006



77, 26.521, 232.142



47, 4.872, 179.976



65, 49.586, 167.691



18, 19.876, 171.192

Inverse Universe

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



64, 42.614, 6.745



67, 55.973, 8.764



70, 36.225, 45.890



45, 5.040, 1.607



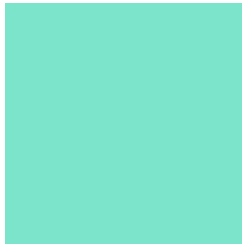
37, 69.550, 26.722



7, 26.645, 11.939

Previews

White Background



This preview shows how the CIE LCh color 84, 35.762, 176.158 looks on a white background.

Color Contrast Check

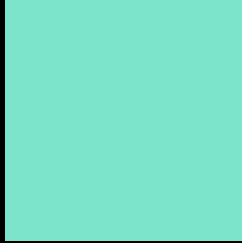
Large Text (above 18pt) WCAG AA × Fail

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 84, 35.762, 176.158 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

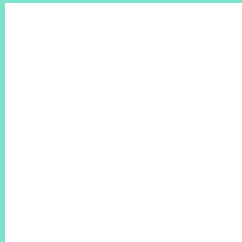
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 35.762, 176.158

Background



This preview shows how black text looks on a background with the CIELCh color 84, 35.762, 176.158.

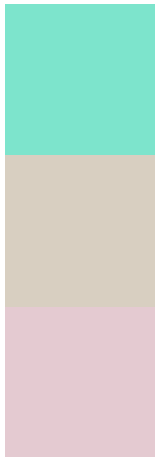


This preview shows how white text looks on a background with the CIELCh color 84, 35.762, 176.158.

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
84, 35.762, 176.158

Protanopia
83, 8.087, 84.822

Deuteranopia
84, 10.269, 359.184



Tritanopia
84, 27.535, 218.139

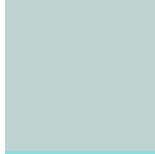
Trichromacy



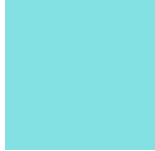
Original Color
84, 35.762, 176.158



Protanomaly
83, 15.047, 159.240



Deuteranomaly
83, 7.809, 183.169

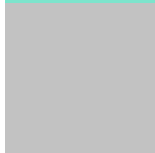


Tritanomaly
84, 28.717, 200.679

Monochromacy



Original Color
84, 35.762, 176.158



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 13.832, 180.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 35.762, 176.158 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(125, 228, 204)` looks like.

```
.text, #text, p{  
    color:rgb(125, 228, 204)  
}
```

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(125, 228, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 228, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 35.762, 176.158 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(125, 228, 204) }
```

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

```
.border{ border-color:rgb(125, 228, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 228, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 228, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 228, 204);  
box-shadow:4px 4px 4px 4px rgb(125, 228,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 35.762, 176.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 228, 204) }
```

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

```
.background{ background-color: rgb(125,  
228, 204) }
```

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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