

Converting Colors

CIELCh(86, 35.095, 185.845)

Have a look what the booklet for
CIELCh(86, 35.095, 185.845)
contains.

CIELCh(86, 35.110, 185.787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 35.110, 185.787)

Conversions

Conversions Part 1

Format	Color
Hex	7BEADD
RGB	123, 234, 221
RGB Percent	48%, 92%, 87%
CMY	0.5193, 0.0840, 0.1349
CMYK	0.48, 0.00, 0.06, 0.08
HSL	173°, 72%, 70%
HSV	173°, 48%, 92%
XYZ	50.4087, 67.9871, 78.5875
YIQ	199.3290, -61.9830, -27.5750

Conversions

Conversions Part 2

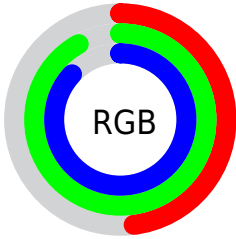
Format	Color
R _{YB}	123, 182, 234
Decimal	8121053
CIE _{Lab}	86.00, -34.93, -3.54
CIE _{LCh}	86, 35.110, 185.787
Yxy	67.9871, 0.2559, 0.3451
Android (android.graphics.Color)	4286311133 (0xFF7BEADD)
YUV	199.3290, 10.6838, -66.9405
Hunter-Lab	82.4543, -35.1684, 1.2085

Details

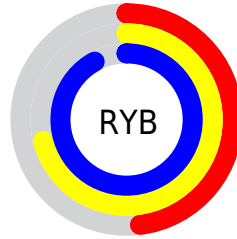
The CIELCh color **86, 35.110, 185.787** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64, 45.783, 16.036**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **66, 35.133, 185.563** is the 20% darker color. If you saturate the color by 10%, you get **85, 40.499, 184.842**, and if you desaturate by 10%, it is **87, 28.858, 186.682**.

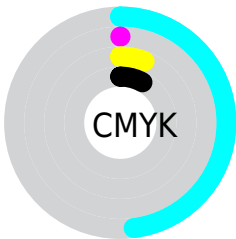
Distribution



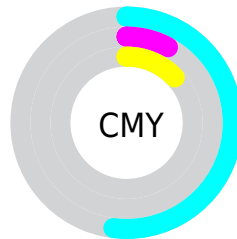
- Red (48%)
- Green (92%)
- Blue (87%)



- Red (48%)
- Yellow (71%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (52%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 35.110, 185.787 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 86, 35.110, 185.787 by changing the saturation by 10% instead.


 86, 35.110,
185.787


 86, 35.110,
185.787


 100, 35.110,
185.787


 76, 35.110,
185.787

 66, 35.110,
185.787

 56, 35.110,
185.787

 46, 35.110,
185.787

 36, 35.110,
185.787

 26, 35.110,
185.787

 16, 35.110,

185.787

■ 6, 35.110, 185.787

■ 0, 35.110, 185.787

■ 86, 35.110,
185.787

■ 86, 35.110,
185.787

■ 85, 40.499,
184.842

■ 87, 28.858,
186.682

■ 85, 44.927,
183.835

■ 88, 21.871,
187.547

■ 84, 48.345,
182.745

■ 90, 14.292,
188.394

■ 84, 50.769,
181.552

■ 91, 6.259, 189.261

■ 84, 52.316,

■ 93, 2.096, 9.677

180.245

94, 7.891, 7.087

83, 52.636,
179.917

94, 8.296, 357.600

94, 8.909, 349.218

95, 9.690, 342.064

Harmonies

Complementary

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



86, 35.110, 185.787



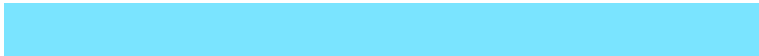
64, 45.783, 16.036

Rectangle

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



86, 35.110, 185.787



86, 35.110, 235.787



86, 35.110, 5.787



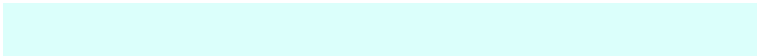
86, 35.110, 55.787

Sweetspot

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



86, 35.110, 185.785



97, 12.352, 188.687



85, 66.844, 137.694



52, 8.488, 188.503



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 35.110, 185.785



92, 43.145, 184.866



75, 29.355, 247.318



48, 4.727, 189.085



66, 43.396, 180.153



19, 18.223, 182.297

Inverse Universe

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



64, 45.783, 16.036



65, 59.760, 18.403



73, 38.101, 55.819



46, 4.954, 10.516



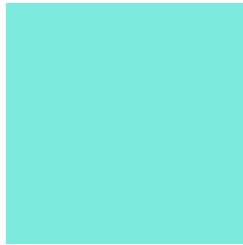
38, 75.823, 34.859



7, 28.101, 17.919

Previews

White Background



This preview shows how the CIELCh color 86, 35.110, 185.787 looks on a white background.

Color Contrast Check

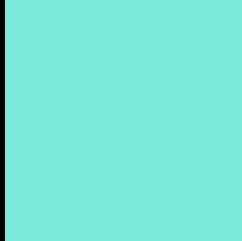
Large Text (above 18pt) WCAG AA × Fail

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 86, 35.110, 185.787 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 86, 35.110, 185.787

Background



This preview shows how black text looks on a background with the CIELCh color 86, 35.110, 185.787.

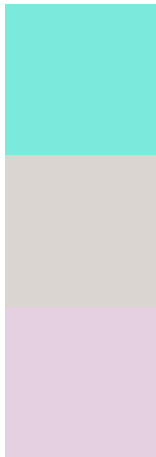


This preview shows how white text looks on a background with the CIELCh color 86, 35.110, 185.787.

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

86, 35.110, 185.787

Protanopia

86, 3.014, 63.275

Deuteranopia

86, 12.130, 329.131



Tritanopia
86, 30.092, 217.198

Trichromacy



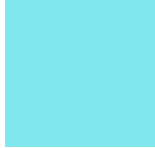
Original Color
86, 35.110, 185.787



Protanomaly
85, 13.178, 182.243



Deuteranomaly
85, 9.902, 220.763

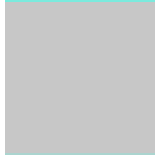


Tritanomaly
86, 30.929, 204.314

Monochromacy



Original Color
86, 35.110, 185.787



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 14.548, 187.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 35.110, 185.787 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(123, 234, 221)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 221)  
}
```

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(123, 234, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 35.110, 185.787 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(123, 234, 221) }
```

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

```
.border{ border-color:rgb(123, 234, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 234, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 234, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 234, 221);  
box-shadow:4px 4px 4px 4px rgb(123, 234,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 35.110, 185.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 221) }
```

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

```
.background{ background-color: rgb(123,  
234, 221) }
```

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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