

Converting Colors

CIELCh(86, 42.248, 165.012)

Have a look what the booklet for
CIELCh(86, 42.248, 165.012)
contains.

CIELCh(86, 42.202, 165.162)	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, 42.202, 165.162)

Conversions

Conversions Part 1

Format	Color
Hex	7FEB C1
RGB	127, 235, 193
RGB Percent	50%, 92%, 76%
CMY	0.5008, 0.0772, 0.2420
CMYK	0.46, 0.00, 0.18, 0.08
HSL	157°, 73%, 71%
HSV	157°, 46%, 92%
XYZ	48.2493, 67.9871, 61.2003
YIQ	197.9200, -50.8860, -35.9580

Conversions

Conversions Part 2

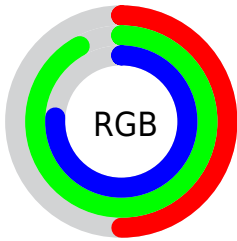
Format	Color
RYB	127, 194, 235
Decimal	8383425
CIELab	86.00, -40.79, 10.81
CIElCh	86, 42.202, 165.162
Yxy	67.9871, 0.2719, 0.3832
Android (android.graphics.Color)	4286573505 (0xFF7FEB1)
YUV	197.9200, -2.4256, -62.1968
Hunter-Lab	82.4543, -39.8431, 13.7110

Details

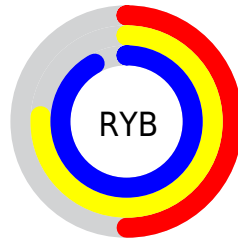
The CIELCh color **86, 42.202, 165.162** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 46.361, 355.625**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.118, 190.270**, and **66, 42.662, 164.761** is the 20% darker color. If you saturate the color by 10%, you get **85, 50.097, 163.725**, and if you desaturate by 10%, it is **87, 33.653, 166.443**.

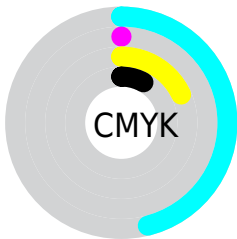
Distribution



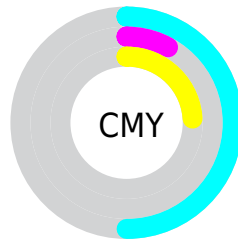
- Red (50%)
- Green (92%)
- Blue (76%)



- Red (50%)
- Yellow (76%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 42.202, 165.162 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, 42.202, 165.162 by changing the saturation by 10% instead.


 86, 42.202,
165.162


 86, 42.202,
165.162


 100, 42.202,
165.162


 76, 42.202,
165.162

 66, 42.202,
165.162

 56, 42.202,
165.162

 46, 42.202,
165.162

 36, 42.202,
165.162

 26, 42.202,
165.162


 16, 42.202,


165.162


 6, 42.202, 165.162


 0, 42.202, 165.162

 86, 42.202,
165.162


 86, 42.202,
165.162


 85, 50.097,
163.725


 87, 33.653,
166.443

 84, 57.190,
162.108

 89, 24.609,
167.598

 84, 63.379,
160.290

 90, 15.234,
168.651

 83, 68.627,
158.257

 92, 5.671, 169.657

 83, 72.993,

 94, 3.955, 350.317

156.021

95, 9.645, 336.658

83, 74.630,
155.092

95, 12.291,
324.844

Harmonies

Complementary

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



86, 42.202, 165.162



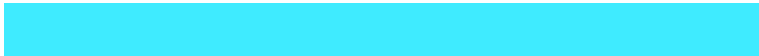
66, 46.361, 355.625

Rectangle

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



86, 42.202, 165.162



86, 42.202, 215.162



86, 42.202, 345.162



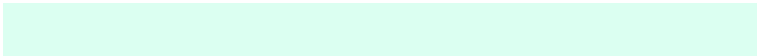
86, 42.202, 35.162

Sweetspot

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



86, 42.203, 165.161



97, 14.332, 168.836



87, 60.068, 130.320



51, 9.882, 168.618



0, 0.000, 0.000



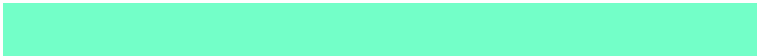
53, 0.007, 296.813

Same Dimension

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



86, 42.203, 165.161



91, 52.711, 163.824



84, 29.517, 208.758



48, 5.445, 169.294



65, 60.858, 155.511



19, 24.334, 159.431

Inverse Universe

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



66, 46.361, 355.625



67, 58.726, 357.397



68, 41.964, 31.360



46, 5.555, 350.913



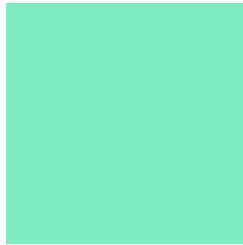
38, 65.707, 12.648



7, 27.922, 3.643

Previews

White Background



This preview shows how the CIELCh color 86, 42.202, 165.162 looks on a white background.

Color Contrast Check

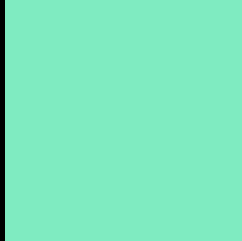
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 86, 42.202, 165.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

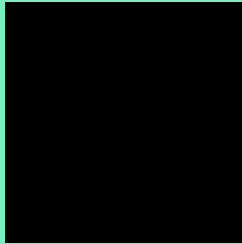
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 42.202, 165.162

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.202, 165.162.

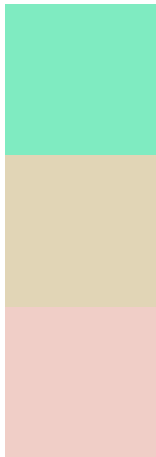


This preview shows how white text looks on a background with the CIELCh color 86, 42.202, 165.162.

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, 42.202, 165.162

Protanopia
85, 16.844, 92.868

Deuteranopia
85, 13.386, 36.076



Tritanopia
86, 27.542, 218.049

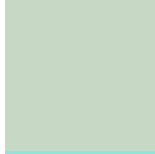
Trichromacy



Original Color
86, 42.202, 165.162



Protanomaly
85, 21.885, 141.248



Deuteranomaly
85, 12.448, 141.259

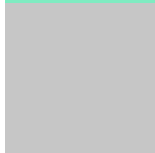


Tritanomaly
86, 29.853, 193.352

Monochromacy



Original Color
86, 42.202, 165.162



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 16.710, 167.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.202, 165.162 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(127, 235, 193)` looks like.

```
.text, #text, p{  
    color:rgb(127, 235, 193)  
}
```

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(127, 235, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 235, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.202, 165.162 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(127, 235, 193) }
```

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

```
.border{ border-color:rgb(127, 235, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 235, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 235, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 235, 193);  
box-shadow:4px 4px 4px 4px rgb(127, 235,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.202, 165.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 235, 193) }
```

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

```
.background{ background-color: rgb(127,  
235, 193) }
```

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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