

Converting Colors

CIELCh(86, 46.910, 160.829)

Have a look what the booklet for
CIELCh(86, 46.910, 160.829)
contains.

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Color

CIELCh(86, 47.242, 160.455)

Conversions

Conversions Part 1

Format	Color
Hex	7BEDB8
RGB	123, 237, 184
RGB Percent	48%, 93%, 72%
CMY	0.5191, 0.0720, 0.2798
CMYK	0.48, 0.00, 0.22, 0.07
HSL	152°, 76%, 70%
HSV	152°, 48%, 93%
XYZ	46.9101, 67.9871, 55.8081
YIQ	196.8720, -50.9310, -40.6510

Conversions

Conversions Part 2

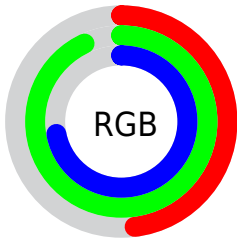
Format	Color
RYB	123, 197, 237
Decimal	8121784
CIELab	86.00, -44.52, 15.80
CIElCh	86, 47.242, 160.455
Yxy	67.9871, 0.2748, 0.3983
Android (android.graphics.Color)	4286311864 (0xFF7BEDB8)
YUV	196.8720, -6.3459, -64.7857
Hunter-Lab	82.4543, -42.7425, 17.5883

Details

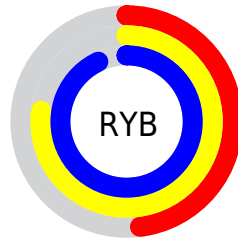
The CIELCh color **86, 47.242, 160.455** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 50.454, 351.001**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.779, 180.320**, and **66, 46.996, 160.642** is the 20% darker color. If you saturate the color by 10%, you get **85, 55.737, 158.970**, and if you desaturate by 10%, it is **87, 38.083, 161.767**.

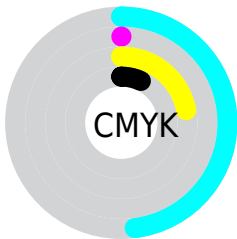
Distribution



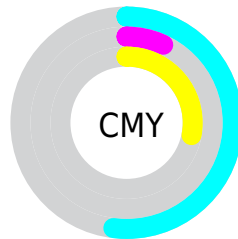
- Red (48%)
- Green (93%)
- Blue (72%)



- Red (48%)
- Yellow (77%)
- Blue (93%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (52%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 47.242, 160.455 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, 47.242, 160.455 by changing the saturation by 10% instead.


 86, 47.242,
160.455


 86, 47.242,
160.455


 100, 47.242,
160.455


 76, 47.242,
160.455

 66, 47.242,
160.455

 56, 47.242,
160.455

 46, 47.242,
160.455

 36, 47.242,
160.455


 26, 47.242,
160.455

 16, 47.242,


160.455

 6, 47.242, 160.455

 0, 47.242, 160.455

 86, 47.242,
160.455


 86, 47.242,
160.455


 85, 55.737,
158.970


 87, 38.083,
161.767


 84, 63.411,
157.289

 89, 28.430,
162.934

 84, 70.159,
155.395

 90, 18.455,
163.982

 83, 75.946,
153.285


 92, 8.315, 164.950


 83, 80.863,

 94, 1.861, 345.487

151.002

 95, 9.334, 334.402

 83, 81.715,
150.593

 96, 11.455,
324.813

Harmonies

Complementary

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



86, 47.242, 160.455



66, 50.454, 351.001

Rectangle

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



86, 47.242, 160.455



86, 47.242, 210.455



86, 47.242, 340.455



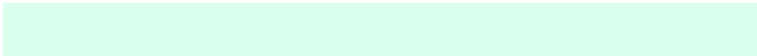
86, 47.242, 30.455

Sweetspot

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



86, 47.243, 160.454



97, 15.122, 164.387



87, 61.983, 127.989



51, 10.434, 164.176



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, 47.243, 160.454



91, 59.031, 158.960



86, 32.720, 200.820



48, 5.737, 164.827



65, 66.292, 151.023



19, 26.300, 155.013

Inverse Universe

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



66, 50.454, 351.001



66, 63.348, 352.760



65, 46.978, 26.956



46, 5.823, 346.368



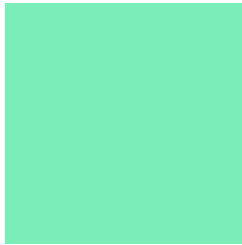
39, 65.301, 5.306



8, 28.312, 357.940

Previews

White Background



This preview shows how the CIE LCh color 86, 47.242, 160.455 looks on a white background.

Color Contrast Check

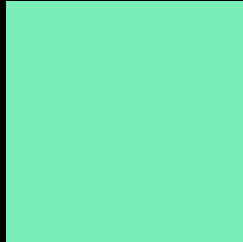
Large Text (above 18pt) WCAG AA × Fail

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, 47.242, 160.455 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, 47.242, 160.455

Background



This preview shows how black text looks on a background with the CIELCh color 86, 47.242, 160.455.

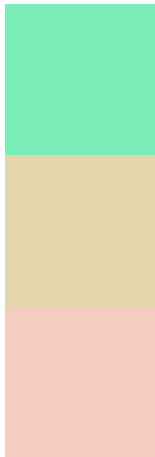


This preview shows how white text looks on a background with the CIELCh color 86, 47.242, 160.455.

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](#).

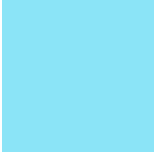
Dichromacy



Original Color
86, 47.242, 160.455

Protanopia
85, 22.097, 93.972

Deuteranopia
85, 16.588, 50.386



Tritanopia
86, 28.099, 218.770

Trichromacy



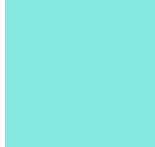
Original Color
86, 47.242, 160.455



Protanomaly
85, 27.063, 135.326



Deuteranomaly
85, 16.643, 132.605



Tritanomaly
86, 31.003, 190.469

Monochromacy



Original Color
86, 47.242, 160.455



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 17.950, 163.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 47.242, 160.455 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, 237, 184)` looks like.

```
.text, #text, p{  
    color:rgb(123, 237, 184)  
}
```

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, 237, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 237, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 47.242, 160.455 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, 237, 184) }
```

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

```
.border{ border-color:rgb(123, 237, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 237, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 237, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 237, 184);  
box-shadow:4px 4px 4px 4px rgb(123, 237,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 47.242, 160.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 237, 184) }
```

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

```
.background{ background-color: rgb(123,  
237, 184) }
```

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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