

Converting Colors

CIELCh(86, 44.627, 165.885)

Have a look what the booklet for
CIELCh(86, 44.627, 165.885)
contains.

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Color

CIELCh(86, 44.464, 166.001)

Conversions

Conversions Part 1

Format	Color
Hex	77ECC1
RGB	119, 236, 193
RGB Percent	47%, 93%, 76%
CMY	0.5320, 0.0732, 0.2419
CMYK	0.50, 0.00, 0.18, 0.07
HSL	158°, 76%, 70%
HSV	158°, 50%, 93%
XYZ	47.4020, 67.9871, 61.2574
YIQ	196.1150, -55.9290, -38.1770

Conversions

Conversions Part 2

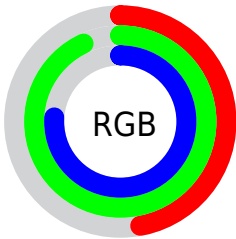
Format	Color
RYB	119, 191, 236
Decimal	7859393
CIELab	86.00, -43.14, 10.76
CIELCh	86, 44.464, 166.001
Yxy	67.9871, 0.2683, 0.3849
Android (android.graphics.Color)	4286049473 (0xFF77ECC1)
YUV	196.1150, -1.5357, -67.6299
Hunter-Lab	82.4543, -41.6775, 13.6699

Details

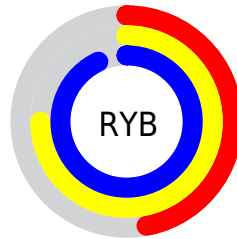
The CIELCh color **86, 44.464, 166.001** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65, 49.674, 357.762**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.407, 190.813**, and **66, 44.450, 165.965** is the 20% darker color. If you saturate the color by 10%, you get **85, 51.905, 164.510**, and if you desaturate by 10%, it is **87, 36.301, 167.330**.

Distribution



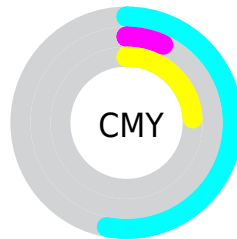
- Red (47%)
- Green (93%)
- Blue (76%)



- Red (47%)
- Yellow (75%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 44.464, 166.001 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, 44.464, 166.001 by changing the saturation by 10% instead.


 86, 44.464,
166.001


 86, 44.464,
166.001


 100, 44.464,
166.001


 76, 44.464,
166.001

 66, 44.464,
166.001

 56, 44.464,
166.001

 46, 44.464,
166.001

 36, 44.464,
166.001


 26, 44.464,
166.001

 16, 44.464,


166.001


 6, 44.464, 166.001

 0, 44.464, 166.001

 86, 44.464,
166.001


 86, 44.464,
166.001


 85, 51.905,
164.510

 87, 36.301,
167.330

 84, 58.490,
162.836

 88, 27.568,
168.527

 84, 64.143,
160.956

 90, 18.430,
169.617

 83, 68.862,
158.864

 92, 9.037, 170.633

 83, 72.801,

 94, 0.478, 350.409

156.608

95, 8.135, 344.840

83, 72.989,
156.499

95, 11.288,
326.087

95, 11.649,
324.820

Harmonies

Complementary

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



86, 44.464, 166.001



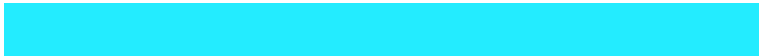
65, 49.674, 357.762

Rectangle

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



86, 44.464, 166.001



86, 44.464, 216.001



86, 44.464, 346.001



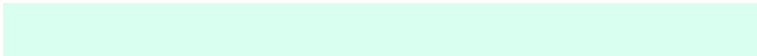
86, 44.464, 36.001

Sweetspot

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



86, 44.465, 166.000



97, 15.125, 170.074



87, 65.056, 130.686



51, 10.304, 169.858



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, 44.465, 166.000



91, 54.783, 164.552



83, 30.909, 211.091



48, 5.369, 170.637



65, 59.335, 156.922



19, 23.789, 160.801

Inverse Universe

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



65, 49.674, 357.762



65, 62.144, 359.834



67, 45.478, 33.063



46, 5.486, 352.272



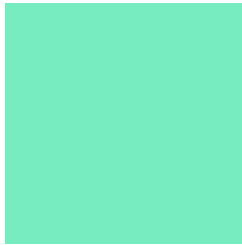
38, 66.050, 14.701



7, 27.865, 5.116

Previews

White Background



This preview shows how the CIE LCh color 86, 44.464, 166.001 looks on a white background.

Color Contrast Check

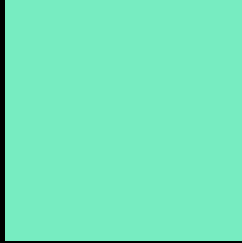
Large Text (above 18pt) WCAG AA × Fail

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, 44.464, 166.001 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, 44.464, 166.001

Background



This preview shows how black text looks on a background with the CIELCh color 86, 44.464, 166.001.

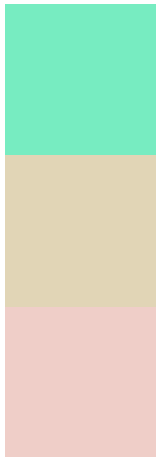


This preview shows how white text looks on a background with the CIELCh color 86, 44.464, 166.001.

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, 44.464, 166.001

Protanopia
85, 16.844, 92.868

Deuteranopia
85, 12.851, 34.329



Tritanopia
86, 29.133, 216.798

Trichromacy



Original Color
86, 44.464, 166.001



Protanomaly
85, 22.296, 142.744



Deuteranomaly
85, 12.873, 147.790

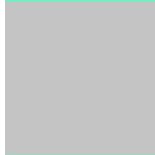


Tritanomaly
86, 31.937, 192.532

Monochromacy



Original Color
86, 44.464, 166.001



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 17.605, 169.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 44.464, 166.001 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(119, 236, 193)` looks like.

```
.text, #text, p{  
    color:rgb(119, 236, 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(119, 236, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 236, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 44.464, 166.001 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(119, 236, 193) }
```

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

```
.border{ border-color:rgb(119, 236, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 236, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 236, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 236, 193); box-shadow:4px 4px 4px 4px rgb(119, 236, 193) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 44.464, 166.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 236, 193) }
```

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

```
.background{ background-color: rgb(119,  
236, 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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