

Converting Colors

CIELCh(82, 43.058, 166.410)

Have a look what the booklet for
CIELCh(82, 43.058, 166.410)
contains.

CIELCh(82, 42.782, 166.775)	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(82, 42.782, 166.775)

Conversions

Conversions Part 1

Format	Color
Hex	6FE0B8
RGB	111, 224, 184
RGB Percent	44%, 88%, 72%
CMY	0.5638, 0.1207, 0.2776
CMYK	0.50, 0.00, 0.18, 0.12
HSL	159°, 65%, 66%
HSV	159°, 50%, 88%
XYZ	41.9763, 60.2982, 54.8933
YIQ	185.6530, -54.5080, -36.3960

Conversions

Conversions Part 2

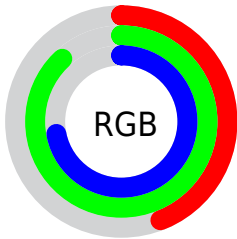
Format	Color
RYB	111, 180, 224
Decimal	7332024
CIELab	82.00, -41.65, 9.79
CIELCh	82, 42.782, 166.775
Yxy	60.2982, 0.2671, 0.3837
Android (android.graphics.Color)	4285522104 (0xFF6FE0B8)
YUV	185.6530, -0.8149, -65.4707
Hunter-Lab	77.6519, -39.3990, 12.4433

Details

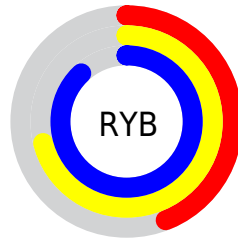
The CIELCh color **82, 42.782, 166.775** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 48.212, 358.868**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.094, 182.120**, and **62, 42.731, 166.780** is the 20% darker color. If you saturate the color by 10%, you get **81, 49.731, 165.284**, and if you desaturate by 10%, it is **83, 35.126, 168.106**.

Distribution



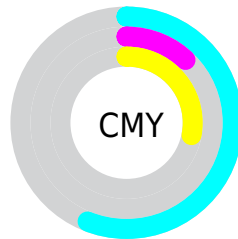
- Red (44%)
- Green (88%)
- Blue (72%)



- Red (44%)
- Yellow (71%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 42.782, 166.775 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 82, 42.782, 166.775 by changing the saturation by 10% instead.


 82, 42.782,
166.775


 82, 42.782,
166.775


 100, 42.782,
166.775


 72, 42.782,
166.775

 62, 42.782,
166.775

 52, 42.782,
166.775

 42, 42.782,
166.775

 32, 42.782,
166.775

 22, 42.782,
166.775

 12, 42.782,

166.775

■ 2, 42.782, 166.775

■ 0, 42.782, 166.775

■ 82, 42.782,
166.775

■ 82, 42.782,
166.775

■ 81, 49.731,
165.284

■ 83, 35.126,
168.106

■ 80, 55.852,
163.612

■ 84, 26.905,
169.307

■ 80, 61.077,
161.738

■ 86, 18.276,
170.401

■ 80, 65.413,
159.653

■ 87, 9.381, 171.421

■ 79, 68.911,

■ 89, 0.350, 173.715

157.511

91, 8.713, 353.083

92, 13.641,
344.320

92, 16.335,
332.580

93, 19.247,
325.093

Harmonies

Complementary

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



82, 42.782, 166.775



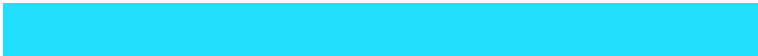
61, 48.212, 358.868

Rectangle

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



82, 42.782, 166.775



82, 42.782, 216.775



82, 42.782, 346.775



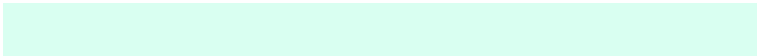
82, 42.782, 36.775

Sweetspot

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



82, 42.783, 166.774



97, 14.987, 170.946



83, 63.707, 131.174



51, 10.208, 170.729



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 42.783, 166.774



91, 54.832, 165.279



79, 29.667, 213.399



46, 5.131, 171.516



64, 57.096, 157.908



17, 21.841, 162.219

Inverse Universe

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



61, 48.212, 358.868



64, 62.859, 1.084



63, 43.962, 34.426



44, 5.248, 353.149



37, 64.900, 15.868



6, 25.497, 4.616

Previews

White Background



This preview shows how the CIE LCh color 82, 42.782, 166.775 looks on a white background.

Color Contrast Check

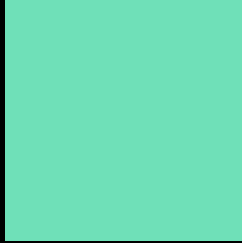
Large Text (above 18pt) WCAG AA × Fail

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 82, 42.782, 166.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

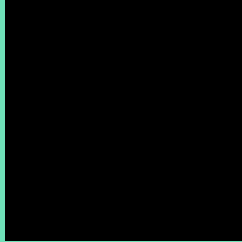
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 42.782, 166.775

Background



This preview shows how black text looks on a background with the CIELCh color 82, 42.782, 166.775.

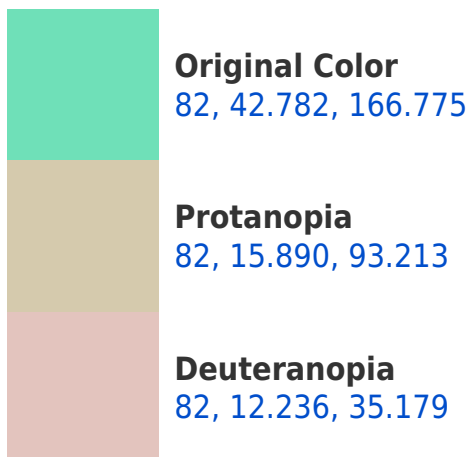


This preview shows how white text looks on a background with the CIELCh color 82, 42.782, 166.775.

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





Tritanopia
82, 28.418, 217.497

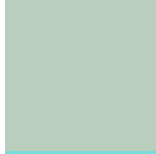
Trichromacy



Original Color
82, 42.782, 166.775



Protanomaly
81, 21.639, 144.230



Deuteranomaly
81, 12.351, 147.994

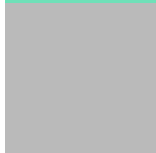


Tritanomaly
82, 30.707, 194.297

Monochromacy



Original Color
82, 42.782, 166.775



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 16.881, 169.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 42.782, 166.775 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(111, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(111, 224, 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(111, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 224, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 42.782, 166.775 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(111, 224, 184) }
```

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

```
.border{ border-color:rgb(111, 224, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 224, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 224, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 224, 184);  
box-shadow:4px 4px 4px 4px rgb(111, 224,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 42.782, 166.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 224, 184) }
```

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

```
.background{ background-color: rgb(111,  
224, 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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