

Converting Colors

CIELCh(80, 37.082, 211.357)

Have a look what the booklet for
CIELCh(80, 37.082, 211.357)
contains.

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Color

CIELCh(80, 36.985, 211.395)

Conversions

Conversions Part 1

Format	Color
Hex	4ED8E9
RGB	78, 216, 233
RGB Percent	31%, 85%, 91%
CMY	0.6935, 0.1525, 0.0858
CMYK	0.66, 0.07, 0.00, 0.09
HSL	187°, 78%, 61%
HSV	187°, 66%, 91%
XYZ	42.4598, 56.6813, 85.8743
YIQ	176.6760, -87.7050, -23.9690

Conversions

Conversions Part 2

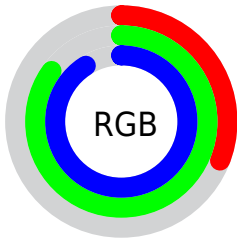
Format	Color
RYB	78, 151, 233
Decimal	5167337
CIELab	80.00, -31.57, -19.27
CIELCh	80, 36.985, 211.395
Yxy	56.6813, 0.2295, 0.3064
Android (android.graphics.Color)	4283357417 (0xFF4ED8E9)
YUV	176.6760, 27.7677, -86.5389
Hunter-Lab	75.2870, -31.0830, -14.9269

Details

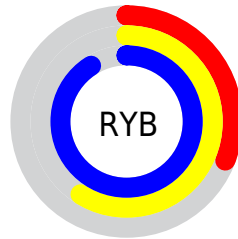
The CIELCh color **80, 36.985, 211.395** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 64.111, 35.197**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **60, 34.211, 212.225** is the 20% darker color. If you saturate the color by 10%, you get **79, 39.349, 212.507**, and if you desaturate by 10%, it is **81, 33.635, 210.580**.

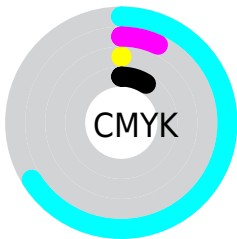
Distribution



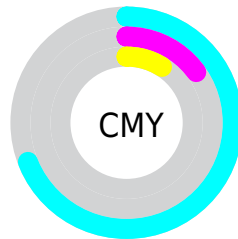
- Red (31%)
- Green (85%)
- Blue (91%)



- Red (31%)
- Yellow (59%)
- Blue (91%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (69%)
- Magenta (15%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 36.985, 211.395 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 80, 36.985, 211.395 by changing the saturation by 10% instead.


 80, 36.985,
211.395


 80, 36.985,
211.395


 100, 36.985,
211.395


 70, 36.985,
211.395

 60, 36.985,
211.395

 50, 36.985,
211.395

 40, 36.985,
211.395

 30, 36.985,
211.395

 20, 36.985,
211.395

 10, 36.985,

211.395

■ 0, 36.985, 211.395

■ 80, 36.985,
211.395

■ 80, 36.985,
211.395

■ 79, 39.349,
212.507

■ 81, 33.635,
210.580

■ 78, 40.749,
213.963

■ 83, 29.342,
210.021

■ 77, 41.292,
215.794

■ 85, 24.193,
209.673

■ 77, 41.375,
216.496

■ 87, 18.298,
209.502

■ 89, 11.781,
209.480

■ 91, 4.761, 209.627

■ 93, 2.649, 29.416

■ 95, 6.879, 34.632

■ 96, 6.491, 47.883

Harmonies

Complementary

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



80, 36.985, 211.395



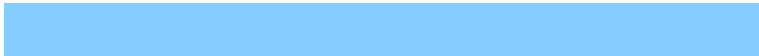
58, 64.111, 35.197

Rectangle

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



80, 36.985, 211.395



80, 36.985, 261.395



80, 36.985, 31.395



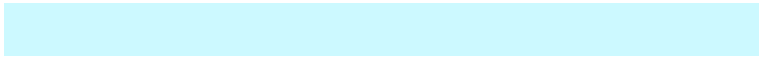
80, 36.985, 81.395

Sweetspot

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



80, 36.984, 211.394



95, 15.203, 209.472



82, 86.962, 140.843



50, 10.273, 209.478



0, 0.000, 0.000



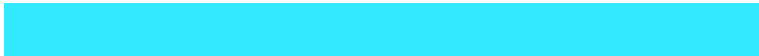
53, 0.007, 296.813

Same Dimension

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



80, 36.984, 211.394



85, 42.819, 213.034



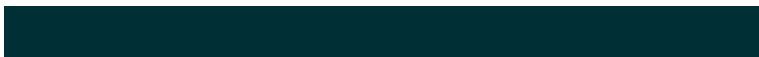
58, 53.754, 280.078



48, 4.166, 209.556



61, 34.281, 216.129



17, 14.855, 212.900

Inverse Universe

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



60, 84.358, 331.448



61, 100.660, 332.188



74, 56.995, 76.161



46, 7.844, 328.096



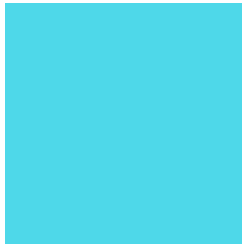
42, 82.008, 333.136



9, 35.560, 332.344

Previews

White Background



This preview shows how the CIE LCh color 80, 36.985, 211.395 looks on a white background.

Color Contrast Check

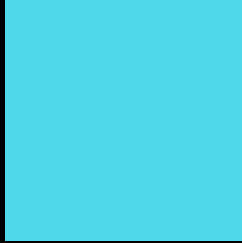
Large Text (above 18pt) WCAG AA × Fail

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 80, 36.985, 211.395 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 80, 36.985, 211.395

Background



This preview shows how black text looks on a background with the CIELCh color 80, 36.985, 211.395.

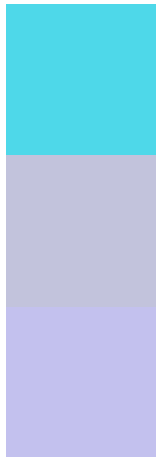


This preview shows how white text looks on a background with the CIELCh color 80, 36.985, 211.395.

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](#).

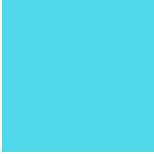
Dichromacy



Original Color
80, 36.985, 211.395

Protanopia
79, 13.350, 289.885

Deuteranopia
80, 24.067, 293.891



Tritanopia
80, 36.994, 212.269

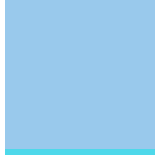
Trichromacy



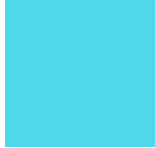
Original Color
80, 36.985, 211.395



Protanomaly
79, 19.813, 235.089



Deuteranomaly
79, 23.501, 251.891

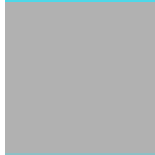


Tritanomaly
80, 36.994, 212.269

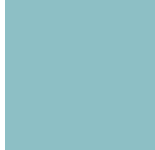
Monochromacy



Original Color
80, 36.985, 211.395



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 17.064, 209.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 36.985, 211.395 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(78, 216, 233)` looks like.

```
.text, #text, p{  
    color:rgb(78, 216, 233)  
}
```

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(78, 216, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 216, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 36.985, 211.395 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(78, 216, 233) }
```

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

```
.border{ border-color:rgb(78, 216, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 216, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 216, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 216, 233);  
box-shadow:4px 4px 4px 4px rgb(78, 216,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 36.985, 211.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 216, 233) }
```

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

```
.background{ background-color: rgb(78, 216,  
233) }
```

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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