

Converting Colors

CIELCh(86, 51.835, 176.920)

Have a look what the booklet for
CIELCh(86, 51.835, 176.920)
contains.

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Color

CIELCh(86, 51.731, 177.014)

Conversions

Conversions Part 1

Format	Color
Hex	3AF0D0
RGB	58, 240, 208
RGB Percent	23%, 94%, 82%
CMY	0.7741, 0.0574, 0.1830
CMYK	0.76, 0.00, 0.13, 0.06
HSL	169°, 86%, 58%
HSV	169°, 76%, 94%
XYZ	44.4125, 67.9871, 70.6753
YIQ	181.9340, -98.2000, -48.5360

Conversions

Conversions Part 2

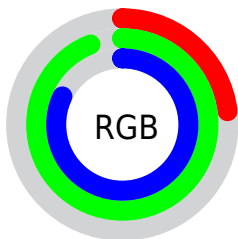
Format	Color
RYB	58, 158, 240
Decimal	3862736
CIELab	86.00, -51.66, 2.69
CIELCh	86, 51.731, 177.014
Yxy	67.9871, 0.2426, 0.3714
Android (android.graphics.Color)	4282052816 (0xFF3AF0D0)
YUV	181.9340, 12.8505, -108.6901
Hunter-Lab	82.4543, -48.1493, 6.8979

Details

The CIELCh color **86, 51.731, 177.014** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **54, 74.180, 20.430**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **67, 45.984, 175.280** is the 20% darker color. If you saturate the color by 10%, you get **86, 54.869, 175.492**, and if you desaturate by 10%, it is **87, 47.588, 178.385**.

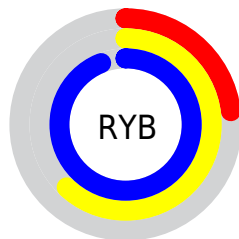
Distribution



Red (23%)

Green (94%)

Blue (82%)



Red (23%)

Yellow (62%)

Blue (94%)

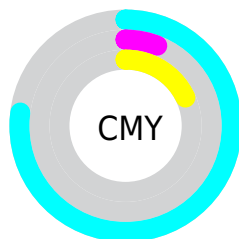


Cyan (76%)

Magenta (0%)

Yellow (13%)

Black (6%)



Cyan (77%)


Magenta (6%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 51.731, 177.014 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, 51.731, 177.014 by changing the saturation by 10% instead.


 86, 51.731,
177.014


 86, 51.731,
177.014


 100, 51.731,
177.014


 76, 51.731,
177.014

 66, 51.731,
177.014

 56, 51.731,
177.014

 46, 51.731,
177.014

 36, 51.731,
177.014

 26, 51.731,
177.014

 16, 51.731,

177.014

■ 6, 51.731, 177.014

■ 0, 51.731, 177.014

■ 86, 51.731,
177.014

■ 86, 51.731,
177.014

■ 86, 54.869,
175.492

■ 87, 47.588,
178.385

■ 85, 57.090,
173.810

■ 87, 42.440,
179.631

■ 85, 57.822,
173.123

■ 88, 36.356,
180.772

■ 89, 29.452,
181.832

■ 91, 21.868,

182.829

■ 92, 13.755,
183.783

■ 94, 5.257, 184.749

■ 96, 3.496, 5.327

■ 96, 6.018, 349.747

Harmonies

Complementary

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



86, 51.731, 177.014



54, 74.180, 20.430

Rectangle

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



86, 51.731, 177.014



86, 51.731, 227.014



86, 51.731, 357.014



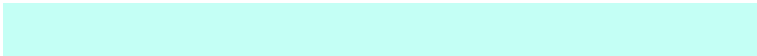
86, 51.731, 47.014

Sweetspot

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



86, 51.731, 177.013



96, 20.406, 183.115



85, 99.915, 134.754



51, 14.005, 182.765



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, 51.731, 177.013



90, 58.711, 174.628



70, 41.247, 248.784



49, 4.915, 184.404



67, 47.070, 173.443



20, 19.936, 176.135

Inverse Universe

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



54, 74.180, 20.430



54, 89.571, 27.703



63, 69.171, 49.972



47, 5.118, 5.972



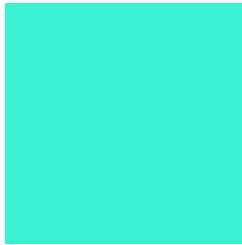
38, 73.793, 31.229



8, 29.077, 16.634

Previews

White Background



This preview shows how the CIELCh color 86, 51.731, 177.014 looks on a white background.

Color Contrast Check

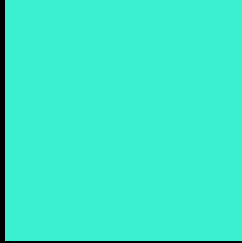
Large Text (above 18pt) WCAG AA × Fail

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, 51.731, 177.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

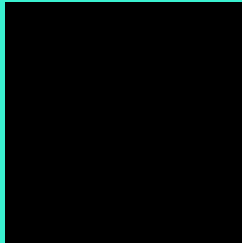
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

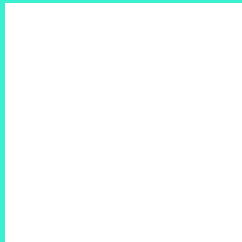
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 51.731, 177.014

Background



This preview shows how black text looks on a background with the CIELCh color 86, 51.731, 177.014.

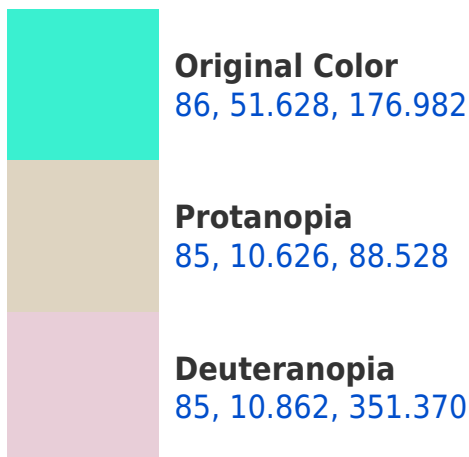


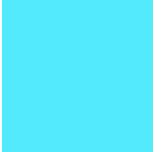
This preview shows how white text looks on a background with the CIELCh color 86, 51.731, 177.014.

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



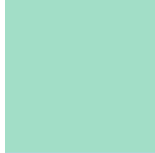


Tritanopia
86, 39.454, 211.864

Trichromacy



Original Color
86, 51.628, 176.982



Protanomaly
84, 24.365, 167.835



Deuteranomaly
84, 17.028, 189.262

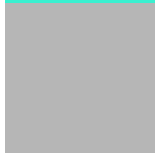


Tritanomaly
86, 42.207, 197.422

Monochromacy



Original Color
86, 51.628, 176.982



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 23.315, 182.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 51.731, 177.014 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(58, 240, 208)` looks like.

```
.text, #text, p{  
    color:rgb(58, 240, 208)  
}
```

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(58, 240, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 240, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 51.731, 177.014 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(58, 240, 208) }
```

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

```
.border{ border-color:rgb(58, 240, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 240, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 240, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 240, 208);  
box-shadow:4px 4px 4px 4px rgb(58, 240,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 51.731, 177.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 240, 208) }
```

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

```
.background{ background-color: rgb(58, 240,  
208) }
```

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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