

Converting Colors

CIELCh(86, 51.957, 173.338)

Have a look what the booklet for
CIELCh(86, 51.957, 173.338)
contains.

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Color

CIELCh(86, 51.853, 173.361)

Conversions

Conversions Part 1

Format	Color
Hex	47F0CA
RGB	71, 240, 202
RGB Percent	28%, 94%, 79%
CMY	0.7211, 0.0584, 0.2075
CMYK	0.70, 0.00, 0.16, 0.06
HSL	167°, 85%, 61%
HSV	167°, 70%, 94%
XYZ	44.4659, 67.9871, 66.7112
YIQ	185.1370, -88.5260, -47.6460

Conversions

Conversions Part 2

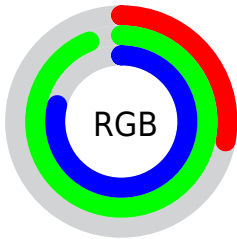
Format	Color
R_{YB}	71, 166, 240
Decimal	4714698
CIE Lab	86.00, -51.51, 5.99
CIE LCh	86, 51.853, 173.361
Yxy	67.9871, 0.2482, 0.3795
Android (android.graphics.Color)	4282904778 (0xFF47F0CA)
YUV	185.1370, 8.3135, -100.0981
Hunter-Lab	82.4543, -48.0337, 9.7483

Details

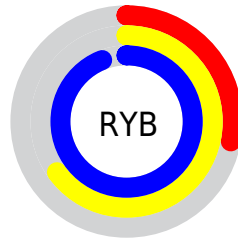
The CIELCh color **86, 51.853, 173.361** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **56, 68.429, 14.270**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **67, 47.915, 171.753** is the 20% darker color. If you saturate the color by 10%, you get **86, 56.032, 171.733**, and if you desaturate by 10%, it is **87, 46.683, 174.821**.

Distribution



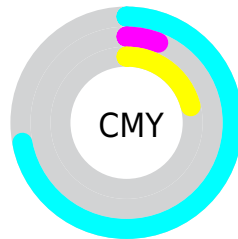
- Red (28%)
- Green (94%)
- Blue (79%)



- Red (28%)
- Yellow (65%)
- Blue (94%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)





- Cyan (72%)
- Magenta (6%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 51.853, 173.361 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, 51.853, 173.361 by changing the saturation by 10% instead.


 86, 51.853,
173.361


 86, 51.853,
173.361


 100, 51.853,
173.361


 76, 51.853,
173.361

 66, 51.853,
173.361

 56, 51.853,
173.361

 46, 51.853,
173.361

 36, 51.853,
173.361

 26, 51.853,
173.361

 16, 51.853,

173.361

■ 6, 51.853, 173.361

■ 0, 51.853, 173.361

■ 86, 51.853,
173.361

■ 86, 51.853,
173.361

■ 86, 56.032,
171.733

■ 87, 46.683,
174.821

■ 85, 59.247,
169.925

■ 88, 40.570,
176.141

■ 85, 61.618,
168.043

■ 89, 33.620,
177.344

■ 90, 25.972,
178.453

■ 91, 17.776,

179.490

 93, 9.184, 180.484

 95, 0.330, 183.079

 96, 5.937, 353.118

 96, 7.585, 334.182

Harmonies

Complementary

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



86, 51.853, 173.361



56, 68.429, 14.270

Rectangle

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



86, 51.853, 173.361



86, 51.853, 223.361



86, 51.853, 353.361



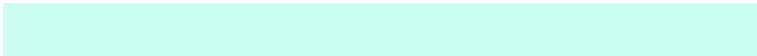
86, 51.853, 43.361

Sweetspot

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



86, 51.853, 173.360



96, 19.216, 179.419



85, 93.314, 133.922



51, 12.940, 179.137



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, 51.853, 173.360



90, 60.072, 171.050



74, 37.892, 238.225



49, 5.028, 180.574



67, 50.145, 168.405



20, 21.034, 171.498

Inverse Universe

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



56, 68.429, 14.270



56, 82.569, 20.174



63, 64.489, 46.206



47, 5.208, 2.208



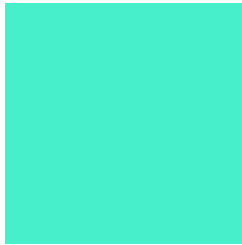
38, 71.443, 27.494



8, 28.933, 14.394

Previews

White Background



This preview shows how the CIELCh color 86, 51.853, 173.361 looks on a white background.

Color Contrast Check

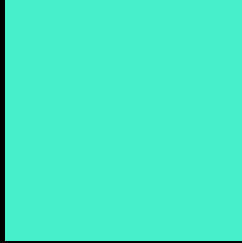
Large Text (above 18pt) WCAG AA × Fail

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, 51.853, 173.361 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

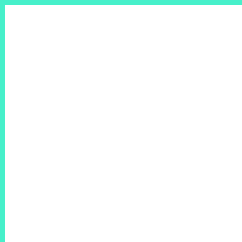
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 51.853, 173.361

Background



This preview shows how black text looks on a background with the CIELCh color 86, 51.853, 173.361.

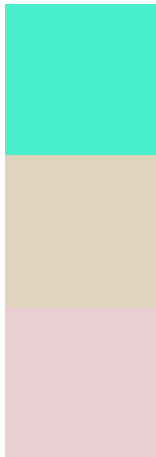


This preview shows how white text looks on a background with the CIELCh color 86, 51.853, 173.361.

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](#).

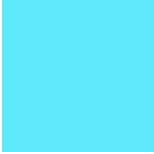
Dichromacy



Original Color
86, 51.853, 173.361

Protanopia
85, 13.608, 92.810

Deuteranopia
85, 10.850, 11.888

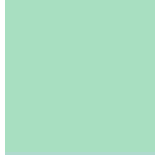


Tritanopia
86, 37.650, 212.699

Trichromacy



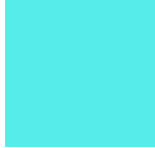
Original Color
86, 51.853, 173.361



Protanomaly
84, 25.308, 159.127



Deuteranomaly
84, 16.453, 175.579

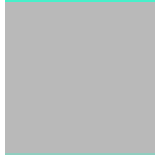


Tritanomaly
86, 40.877, 195.278

Monochromacy



Original Color
86, 51.853, 173.361



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 22.490, 178.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 51.853, 173.361 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(71, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(71, 240, 202)  
}
```

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(71, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 240, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 51.853, 173.361 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(71, 240, 202) }
```

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

```
.border{ border-color:rgb(71, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(71, 240,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 51.853, 173.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 240, 202) }
```

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

```
.background{ background-color: rgb(71, 240,  
202) }
```

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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