

Converting Colors

CIELCh(86, 53.127, 153.005)

Have a look what the booklet for
CIELCh(86, 53.127, 153.005)
contains.

CIELCh(86, 52.782, 153.253)	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(86, 52.782, 153.253)

Conversions

Conversions Part 1

Format	Color
Hex	7DEDA8
RGB	125, 237, 168
RGB Percent	49%, 93%, 66%
CMY	0.5085, 0.0693, 0.3399
CMYK	0.47, 0.00, 0.29, 0.07
HSL	143°, 76%, 71%
HSV	143°, 47%, 93%
XYZ	45.9850, 67.9871, 47.8985
YIQ	195.6460, -44.6030, -45.2030

Conversions

Conversions Part 2

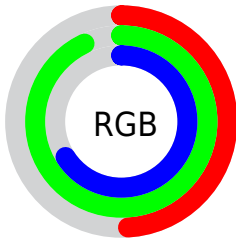
Format	Color
RYB	125, 206, 237
Decimal	8252840
CIELab	86.00, -47.13, 23.75
CIELCh	86, 52.782, 153.253
Yxy	67.9871, 0.2841, 0.4200
Android (android.graphics.Color)	4286442920 (0xFF7DEDA8)
YUV	195.6460, -13.6295, -61.9565
Hunter-Lab	82.4543, -44.7451, 23.2759

Details

The CIELCh color **86, 52.782, 153.253** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 53.999, 342.073**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 29.792, 164.049**, and **66, 52.403, 153.465** is the 20% darker color. If you saturate the color by 10%, you get **85, 62.829, 151.833**, and if you desaturate by 10%, it is **87, 42.096, 154.492**.

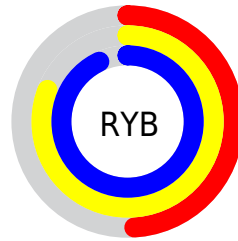
Distribution



Red (49%)

Green (93%)

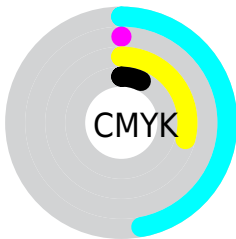
Blue (66%)



Red (49%)

Yellow (81%)

Blue (93%)

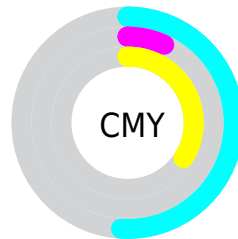


Cyan (47%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (51%)


Magenta (7%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 52.782, 153.253 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, 52.782, 153.253 by changing the saturation by 10% instead.


 86, 52.782,
153.253


 86, 52.782,
153.253


 100, 52.782,
153.253


 76, 52.782,
153.253

 66, 52.782,
153.253

 56, 52.782,
153.253

 46, 52.782,
153.253

 36, 52.782,
153.253

 26, 52.782,
153.253

 16, 52.782,

153.253

■ 6, 52.782, 153.253

■ 0, 52.782, 153.253

■ 86, 52.782,
153.253

■ 86, 52.782,
153.253

■ 85, 62.829,
151.833

■ 87, 42.096,
154.492

■ 84, 72.034,
150.216

■ 89, 30.975,
155.576

■ 83, 80.237,
148.393

■ 90, 19.614,
156.529


■ 83, 87.340,
146.380


■ 92, 8.181, 157.392

■ 83, 93.343,

■ 94, 3.189, 337.949

144.233

 96, 11.015,
324.796

 83, 94.891,
143.650

Harmonies

Complementary

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



86, 52.782, 153.253



67, 53.999, 342.073

Rectangle

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



86, 52.782, 153.253



86, 52.782, 203.253



86, 52.782, 333.253



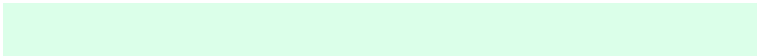
86, 52.782, 23.253

Sweetspot

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



86, 52.783, 153.253



97, 16.923, 156.807



89, 58.635, 122.486



51, 11.687, 156.616



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, 52.783, 153.253



91, 66.366, 151.829



87, 35.355, 185.848



49, 6.523, 157.198



65, 77.620, 144.030



20, 31.320, 147.667

Inverse Universe

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



67, 53.999, 342.073



67, 67.545, 343.293



65, 46.033, 16.003



47, 6.573, 338.553



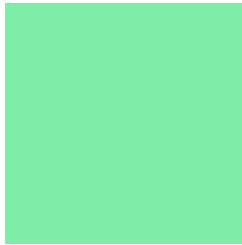
40, 68.803, 351.495



9, 30.906, 347.179

Previews

White Background



This preview shows how the CIELCh color 86, 52.782, 153.253 looks on a white background.

Color Contrast Check

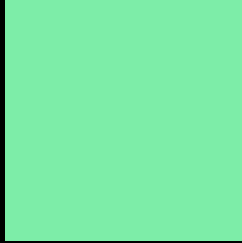
Large Text (above 18pt) WCAG AA × Fail

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, 52.782, 153.253 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, 52.782, 153.253

Background



This preview shows how black text looks on a background with the CIELCh color 86, 52.782, 153.253.

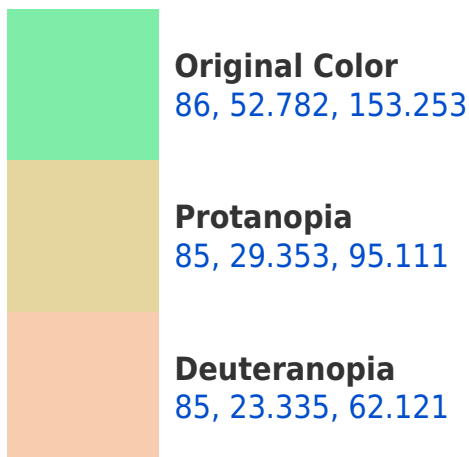



This preview shows how white text looks on a background with the CIELCh color 86, 52.782, 153.253.

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



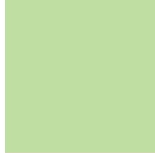


Tritanopia
86, 26.720, 219.998

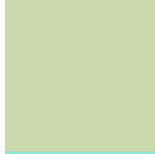
Trichromacy



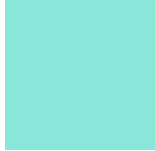
Original Color
86, 52.782, 153.253



Protanomaly
85, 33.362, 128.406



Deuteranomaly
85, 23.576, 121.345

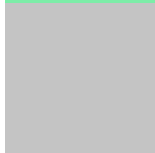


Tritanomaly
86, 31.020, 184.521

Monochromacy



Original Color
86, 52.782, 153.253



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 20.052, 156.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 52.782, 153.253 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(125, 237, 168)` looks like.

```
.text, #text, p{  
    color:rgb(125, 237, 168)  
}
```

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(125, 237, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 237, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 52.782, 153.253 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(125, 237, 168) }
```

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

```
.border{ border-color:rgb(125, 237, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 237, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 237, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 237, 168); box-shadow:4px 4px 4px 4px rgb(125, 237, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 52.782, 153.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 237, 168) }
```

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

```
.background{ background-color: rgb(125,  
237, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor