

Converting Colors

CIELCh(86, 31.014, 185.284)

Have a look what the booklet for
CIELCh(86, 31.014, 185.284)
contains.

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Color

CIElCh(86, 31.267, 184.623)

Conversions

Conversions Part 1

Format	Color
Hex	89E8DB
RGB	137, 232, 219
RGB Percent	54%, 91%, 86%
CMY	0.4636, 0.0911, 0.1420
CMYK	0.41, 0.00, 0.06, 0.09
HSL	172°, 67%, 72%
HSV	172°, 41%, 91%
XYZ	51.8289, 67.9871, 77.2546
YIQ	202.1130, -52.4470, -24.1830

Conversions

Conversions Part 2

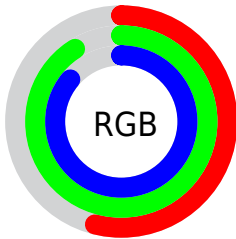
Format	Color
RYB	137, 188, 232
Decimal	9038043
CIELab	86.00, -31.17, -2.52
CIELCh	86, 31.267, 184.623
Yxy	67.9871, 0.2630, 0.3450
Android (android.graphics.Color)	4287228123 (0xFF89E8DB)
YUV	202.1130, 8.3253, -57.1041
Hunter-Lab	82.4543, -32.0939, 2.1669

Details

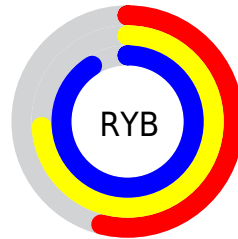
The CIELCh color **86, 31.267, 184.623** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 38.700, 13.225**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **66, 31.293, 184.475** is the 20% darker color. If you saturate the color by 10%, you get **85, 37.329, 183.640**, and if you desaturate by 10%, it is **87, 24.447, 185.552**.

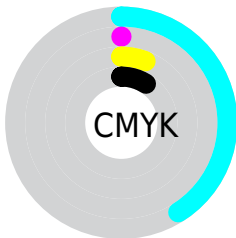
Distribution



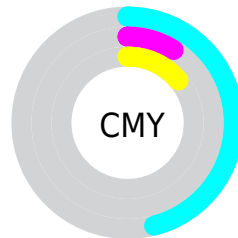
- Red (54%)
- Green (91%)
- Blue (86%)



- Red (54%)
- Yellow (74%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (46%)
- Magenta (9%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 31.267, 184.623 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, 31.267, 184.623 by changing the saturation by 10% instead.


 86, 31.267,
184.623


 86, 31.267,
184.623


 100, 31.267,
184.623


 76, 31.267,
184.623

 66, 31.267,
184.623

 56, 31.267,
184.623

 46, 31.267,
184.623

 36, 31.267,
184.623


 26, 31.267,
184.623


 16, 31.267,


184.623


 6, 31.267, 184.623


 0, 31.267, 184.623

 86, 31.267,
184.623

 86, 31.267,
184.623

 85, 37.329,
183.640


 87, 24.447,
185.552

 84, 42.509,
182.593

 89, 17.006,
186.448

 84, 46.722,
181.460

 90, 9.088, 187.334

 83, 49.937,
180.217

 92, 0.826, 188.813

 94, 7.663, 8.833

 83, 52.194,

178.848

94, 8.897, 359.628

83, 53.588,
177.518

94, 9.564, 350.431

94, 10.448,
342.627

94, 11.500,
336.164

Harmonies

Complementary

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



86, 31.267, 184.623



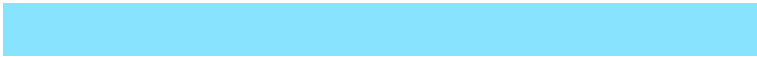
67, 38.700, 13.225

Rectangle

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



86, 31.267, 184.623



86, 31.267, 234.623



86, 31.267, 4.623



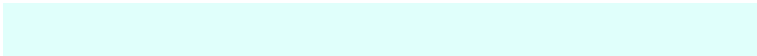
86, 31.267, 54.623

Sweetspot

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



86, 31.268, 184.621



98, 10.705, 187.238



85, 57.408, 137.795



52, 7.083, 187.121



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, 31.268, 184.621



93, 39.062, 183.814



77, 25.384, 243.468



47, 4.673, 187.474



65, 43.952, 177.791



18, 17.990, 180.329

Inverse Universe

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



67, 38.700, 13.225



69, 50.721, 14.913



75, 31.975, 54.533



45, 4.886, 8.952



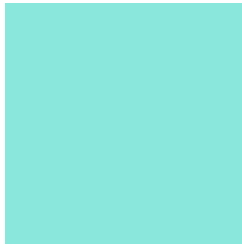
37, 74.040, 33.643



6, 26.748, 16.073

Previews

White Background



This preview shows how the CIE LCh color 86, 31.267, 184.623 looks on a white background.

Color Contrast Check

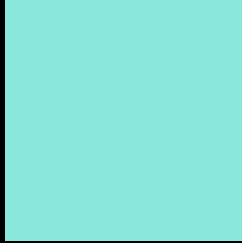
Large Text (above 18pt) WCAG AA × Fail

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, 31.267, 184.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

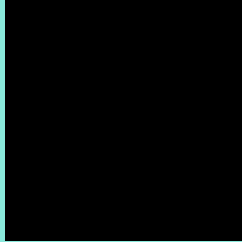
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

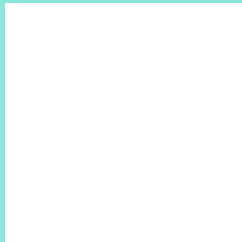
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 31.267, 184.623

Background



This preview shows how black text looks on a background with the CIELCh color 86, 31.267, 184.623.

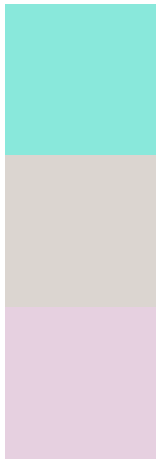


This preview shows how white text looks on a background with the CIELCh color 86, 31.267, 184.623.

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, 31.267, 184.623

Protanopia
86, 3.398, 69.639

Deuteranopia
86, 11.581, 333.814



Tritanopia
86, 26.844, 218.638

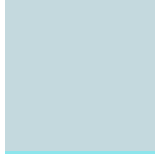
Trichromacy



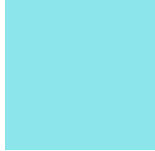
Original Color
86, 31.267, 184.623



Protanomaly
85, 11.777, 177.664



Deuteranomaly
85, 7.710, 218.974

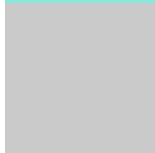


Tritanomaly
86, 27.327, 205.447

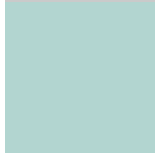
Monochromacy



Original Color
86, 31.267, 184.623



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 12.592, 186.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 31.267, 184.623 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(137, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 232, 219)  
}
```

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(137, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 232, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 31.267, 184.623 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(137, 232, 219) }
```

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

```
.border{ border-color:rgb(137, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(137, 232,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 31.267, 184.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 232, 219) }
```

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

```
.background{ background-color: rgb(137,  
232, 219) }
```

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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