

Converting Colors

CIELCh(87, 29.921, 189.372)

Have a look what the booklet for
CIELCh(87, 29.921, 189.372)
contains.

CIELCh(87, 29.884, 189.305)	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(87, 29.884, 189.305)

Conversions

Conversions Part 1

Format	Color
Hex	8DEAE2
RGB	141, 234, 226
RGB Percent	55%, 92%, 89%
CMY	0.4470, 0.0823, 0.1137
CMYK	0.40, 0.00, 0.03, 0.08
HSL	175°, 69%, 74%
HSV	175°, 40%, 92%
XYZ	54.1405, 70.0064, 82.6179
YIQ	205.2810, -52.8600, -22.2040

Conversions

Conversions Part 2

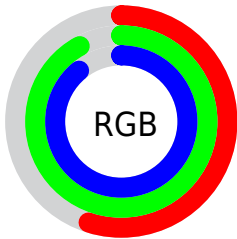
Format	Color
RYB	141, 190, 234
Decimal	9300706
CIELab	87.00, -29.49, -4.83
CIELCh	87, 29.884, 189.305
Yxy	70.0064, 0.2618, 0.3386
Android (android.graphics.Color)	4287490786 (0xFF8DEAE2)
YUV	205.2810, 10.2145, -56.3744
Hunter-Lab	83.6698, -30.9195, 0.0243

Details

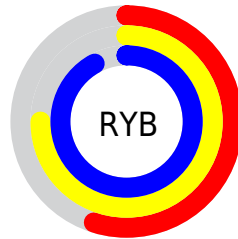
The CIELCh color **87, 29.884, 189.305** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 37.816, 16.867**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **67, 29.889, 189.482** is the 20% darker color. If you saturate the color by 10%, you get **86, 35.774, 188.518**, and if you desaturate by 10%, it is **88, 23.202, 190.074**.

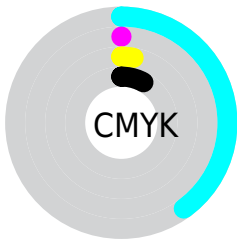
Distribution



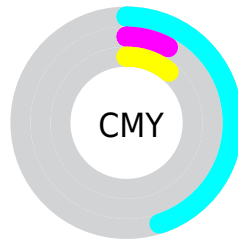
- Red (55%)
- Green (92%)
- Blue (89%)



- Red (55%)
- Yellow (75%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (45%)
- Magenta (8%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 29.884, 189.305 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 87, 29.884, 189.305 by changing the saturation by 10% instead.


 87, 29.884,
189.305

 87, 29.884,
189.305


 100, 29.884,
189.305


 77, 29.884,
189.305

 67, 29.884,
189.305

 57, 29.884,
189.305

 47, 29.884,
189.305

 37, 29.884,
189.305

 27, 29.884,
189.305

 17, 29.884,

189.305

■ 7, 29.884, 189.305

■ 0, 29.884, 189.305

■ 87, 29.884,
189.305

■ 87, 29.884,
189.305

■ 86, 35.774,
188.518

■ 88, 23.202,
190.074

■ 85, 40.753,
187.709

■ 90, 15.865,
190.843

■ 85, 44.737,
186.863

■ 91, 8.014, 191.632

■ 84, 47.695,
185.961

■ 93, 0.219, 9.539

■ 94, 7.622, 11.880

■ 84, 49.667,

184.987

94, 7.817, 4.372

84, 50.840,
183.939

94, 8.141, 357.350

84, 50.867,
183.912

95, 8.579, 350.962

95, 9.116, 345.268

Harmonies

Complementary

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



87, 29.884, 189.305



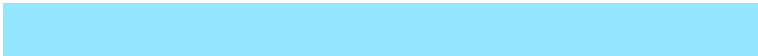
69, 37.816, 16.867

Rectangle

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



87, 29.884, 189.305



87, 29.884, 239.305



87, 29.884, 9.305



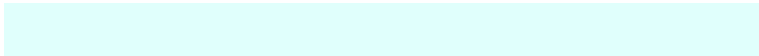
87, 29.884, 59.305

Sweetspot

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



87, 29.884, 189.303



98, 10.532, 191.444



86, 57.030, 139.127



52, 6.965, 191.340



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 29.884, 189.303



93, 37.282, 188.638



77, 25.701, 250.055



48, 4.685, 191.655



66, 41.910, 184.099



19, 17.709, 185.775

Inverse Universe

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



69, 37.816, 16.867



69, 49.946, 18.525



77, 31.032, 59.942



46, 4.927, 12.990



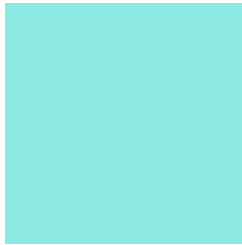
38, 77.251, 36.467



7, 28.198, 19.203

Previews

White Background



This preview shows how the CIE LCh color 87, 29.884, 189.305 looks on a white background.

Color Contrast Check

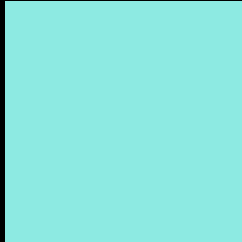
Large Text (above 18pt) WCAG AA × Fail

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 87, 29.884, 189.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

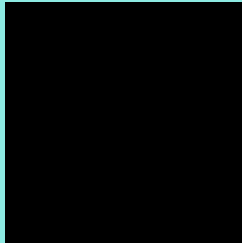
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 29.884, 189.305

Background



This preview shows how black text looks on a background with the CIELCh color 87, 29.884, 189.305.

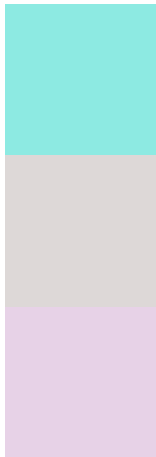


This preview shows how white text looks on a background with the CIELCh color 87, 29.884, 189.305.

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
87, 29.884, 189.305

Protanopia
87, 1.878, 35.355

Deuteranopia
86, 13.363, 324.920

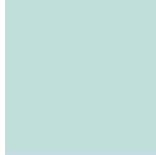


Tritanopia
87, 26.842, 218.597

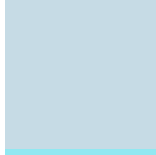
Trichromacy



Original Color
87, 29.884, 189.305



Protanomaly
87, 11.053, 187.716



Deuteranomaly
86, 8.823, 235.630

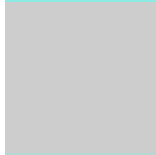


Tritanomaly
87, 27.069, 207.820

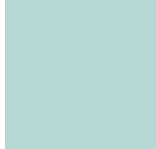
Monochromacy



Original Color
87, 29.884, 189.305



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 11.983, 190.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 29.884, 189.305 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(141, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(141, 234, 226)  
}
```

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(141, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 234, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 29.884, 189.305 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(141, 234, 226) }
```

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

```
.border{ border-color:rgb(141, 234, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(141, 234,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 29.884, 189.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 234, 226) }
```

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

```
.background{ background-color: rgb(141,  
234, 226) }
```

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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