

Converting Colors

CIELCh(87, 16.113, 202.092)

Have a look what the booklet for
CIELCh(87, 16.113, 202.092)
contains.

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Color

CIELCh(87, 16.114, 202.098)

Conversions

Conversions Part 1

Format	Color
Hex	B3E3E5
RGB	179, 227, 229
RGB Percent	70%, 89%, 90%
CMY	0.2989, 0.1107, 0.1029
CMYK	0.22, 0.01, 0.00, 0.10
HSL	182°, 49%, 80%
HSV	182°, 22%, 90%
XYZ	60.0492, 70.0064, 84.3004
YIQ	212.8760, -29.2500, -9.5540

Conversions

Conversions Part 2

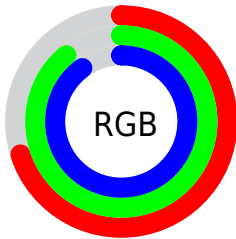
Format	Color
RYB	179, 203, 229
Decimal	11789285
CIELab	87.00, -14.93, -6.06
CIELCh	87, 16.114, 202.098
Yxy	70.0064, 0.2801, 0.3266
Android (android.graphics.Color)	4289979365 (0xFFB3E3E5)
YUV	212.8760, 7.9491, -29.7093
Hunter-Lab	83.6698, -18.3141, -1.1680

Details

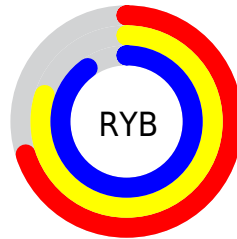
The CIELCh color $87, 16.114, 202.098$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $78, 18.689, 24.162$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 6.515, 199.095$, and $67, 16.265, 202.009$ is the 20% darker color. If you saturate the color by 10%, you get $86, 22.622, 201.815$, and if you desaturate by 10%, it is $89, 9.014, 202.461$.

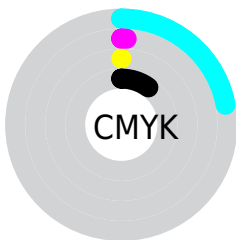
Distribution



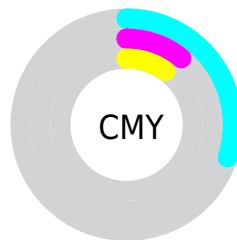
- Red (70%)
- Green (89%)
- Blue (90%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)





- Cyan (30%)
- Magenta (11%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.114, 202.098 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, 16.114, 202.098 by changing the saturation by 10% instead.


 87, 16.114,
202.098


 87, 16.114,
202.098


 100, 16.114,
202.098


 77, 16.114,
202.098

 67, 16.114,
202.098

 57, 16.114,
202.098

 47, 16.114,
202.098

 37, 16.114,
202.098

 27, 16.114,
202.098

 17, 16.114,

202.098

■ 7, 16.114, 202.098

■ 0, 16.114, 202.098

■ 87, 16.114,
202.098

■ 87, 16.114,
202.098

■ 86, 22.622,
201.815

■ 89, 9.014, 202.461

■ 84, 28.406,
201.631

■ 90, 1.444, 203.217

■ 92, 6.479, 23.142

■ 83, 33.348,
201.551

■ 93, 8.975, 25.378

■ 82, 37.348,
201.590

■ 94, 8.702, 28.620

■ 94, 8.459, 32.059

■ 81, 40.346,

201.761

94, 8.249, 35.686

81, 42.335,
202.075

94, 8.074, 39.485

80, 43.379,
202.538

94, 7.937, 43.433

80, 43.698,
203.009

Harmonies

Complementary

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



87, 16.114, 202.098



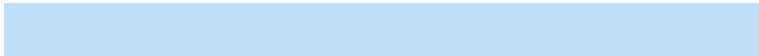
78, 18.689, 24.162

Rectangle

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



87, 16.114, 202.098



87, 16.114, 252.098



87, 16.114, 22.098



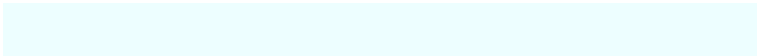
87, 16.114, 72.098

Sweetspot

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



87, 16.115, 202.092



99, 5.887, 202.692



86, 31.270, 143.901



52, 3.819, 202.659



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, 16.115, 202.092



95, 20.620, 201.962



80, 15.971, 262.203



47, 4.358, 202.569



64, 36.326, 202.897



18, 15.363, 201.842

Inverse Universe

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



79, 31.154, 326.742



84, 40.465, 326.984



84, 16.729, 76.141



45, 8.084, 326.033



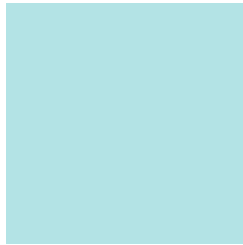
42, 85.710, 329.882



8, 36.141, 329.618

Previews

White Background



This preview shows how the CIELCh color 87, 16.114, 202.098 looks on a white background.

Color Contrast Check

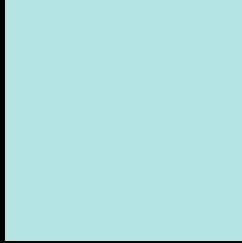
Large Text (above 18pt) WCAG AA × Fail

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, 16.114, 202.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

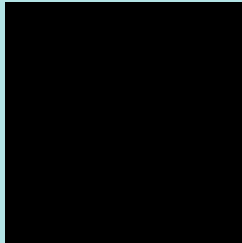
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 16.114, 202.098

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.114, 202.098.

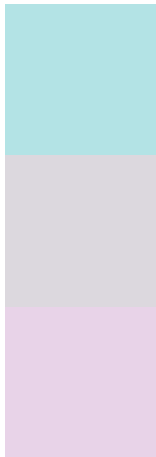


This preview shows how white text looks on a background with the CIELCh color 87, 16.114, 202.098.

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, 16.114, 202.098

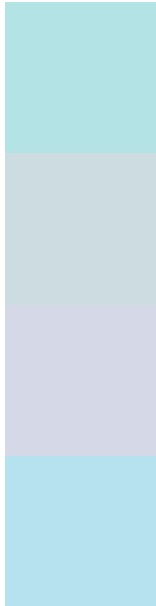
Protanopia
87, 3.477, 314.727

Deuteranopia
87, 13.351, 324.918



Tritanopia
87, 16.660, 233.259

Trichromacy



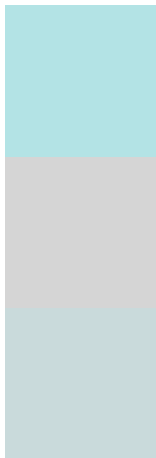
Original Color
87, 16.114, 202.098

Protanomaly
87, 5.620, 221.088

Deuteranomaly
87, 7.443, 280.000

Tritanomaly
87, 15.943, 221.840

Monochromacy



Original Color
87, 16.114, 202.098

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 6.001, 204.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.114, 202.098 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(179, 227, 229)` looks like.

```
.text, #text, p{  
    color:rgb(179, 227, 229)  
}
```

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(179, 227, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 227, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.114, 202.098 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(179, 227, 229) }
```

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

```
.border{ border-color:rgb(179, 227, 229) }
```

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

Here you see how a box with a 4 pixel rgb(179, 227, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 227, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 227, 229);  
box-shadow:4px 4px 4px 4px rgb(179, 227,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.114, 202.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 227, 229) }
```

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

```
.background{ background-color: rgb(179,  
227, 229) }
```

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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