

Converting Colors

CIELCh(87, 20.092, 215.652)

Have a look what the booklet for
CIELCh(87, 20.092, 215.652)
contains.

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Color

CIELCh(87, 20.016, 215.038)

Conversions

Conversions Part 1

Format	Color
Hex	A8E4EF
RGB	168, 228, 239
RGB Percent	66%, 89%, 94%
CMY	0.3414, 0.1061, 0.0629
CMYK	0.30, 0.05, 0.00, 0.06
HSL	189°, 69%, 80%
HSV	189°, 30%, 94%
XYZ	59.4390, 70.0064, 92.0008
YIQ	211.3140, -39.2910, -9.2990

Conversions

Conversions Part 2

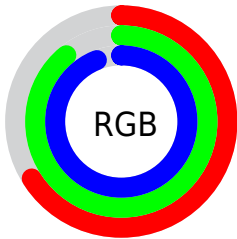
Format	Color
R_{YB}	168, 201, 239
Decimal	11068655
CIE _{Lab}	87.00, -16.39, -11.49
CIE _{LCh}	87, 20.016, 215.038
Yxy	70.0064, 0.2684, 0.3161
Android (android.graphics.Color)	4289258735 (0xFFA8E4EF)
YUV	211.3140, 13.6492, -37.9864
Hunter-Lab	83.6698, -19.6159, -6.6246

Details

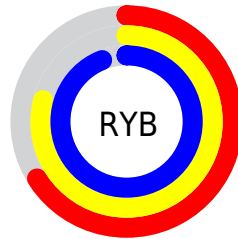
The CIELCh color **87, 20.016, 215.038** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 24.738, 34.819**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.172, 198.828**, and **67, 20.042, 215.739** is the 20% darker color. If you saturate the color by 10%, you get **85, 25.631, 215.576**, and if you desaturate by 10%, it is **89, 13.760, 214.696**.

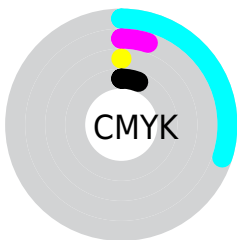
Distribution



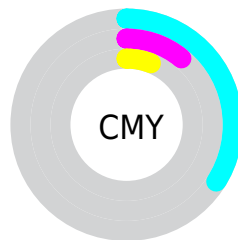
- Red (66%)
- Green (89%)
- Blue (94%)



- Red (66%)
- Yellow (79%)
- Blue (94%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (34%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.016, 215.038 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, 20.016, 215.038 by changing the saturation by 10% instead.

■ 87, 20.016,
215.038

■ 87, 20.016,
215.038

■ 100, 20.016,
215.038

■ 77, 20.016,
215.038

■ 67, 20.016,
215.038

■ 57, 20.016,
215.038

■ 47, 20.016,
215.038

■ 37, 20.016,
215.038

■ 27, 20.016,
215.038

■ 17, 20.016,

215.038

7, 20.016, 215.038

0, 20.016, 215.038

87, 20.016,
215.038

87, 20.016,
215.038

85, 25.631,
215.576

89, 13.760,
214.696

83, 30.490,
216.368

92, 6.981, 214.545

81, 34.488,
217.467

95, 0.211, 31.385

97, 4.777, 43.505

79, 37.555,
218.938

98, 4.872, 71.016

78, 39.674,

98, 5.934, 92.766

220.851

99, 7.561, 106.511

76, 40.902,
223.268

100, 8.125,
109.560

75, 41.443,
226.179

75, 41.456,
226.265

Harmonies

Complementary

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



87, 20.016, 215.038



78, 24.738, 34.819

Rectangle

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



87, 20.016, 215.038



87, 20.016, 265.038



87, 20.016, 35.038



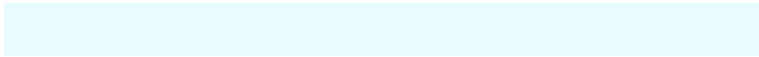
87, 20.016, 85.038

Sweetspot

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



87, 20.016, 215.034



97, 6.832, 214.543



89, 40.554, 146.631



52, 4.729, 214.549



0, 0.000, 0.000



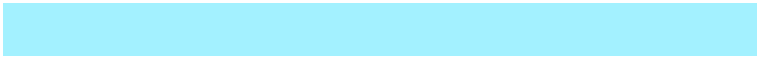
53, 0.007, 296.813

Same Dimension

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



87, 20.016, 215.034



91, 24.894, 215.355



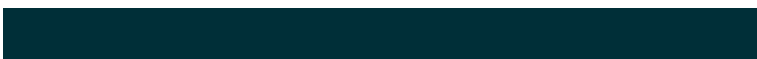
78, 25.701, 274.431



49, 4.097, 214.544



59, 34.033, 225.704



17, 14.936, 221.089

Inverse Universe

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



77, 40.511, 330.833



78, 51.536, 331.246



87, 26.037, 85.892



47, 7.735, 329.547



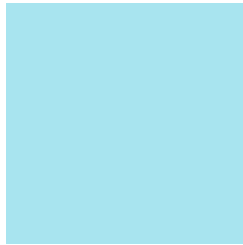
42, 80.008, 335.530



9, 35.511, 334.364

Previews

White Background



This preview shows how the CIELCh color 87, 20.016, 215.038 looks on a white background.

Color Contrast Check

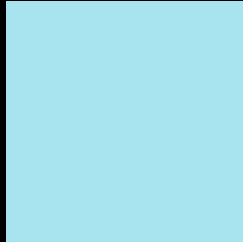
Large Text (above 18pt) WCAG AA × Fail

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, 20.016, 215.038 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, 20.016, 215.038

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.016, 215.038.

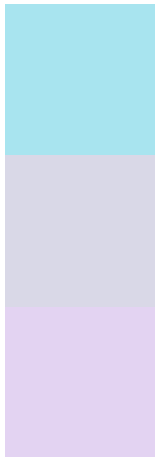


This preview shows how white text looks on a background with the CIELCh color 87, 20.016, 215.038.

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, 20.016, 215.038

Protanopia
87, 7.878, 293.388

Deuteranopia
87, 17.262, 310.199

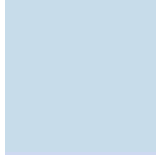


Tritanopia
87, 20.451, 225.955

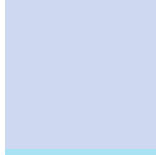
Trichromacy



Original Color
87, 20.016, 215.038



Protanomaly
87, 10.118, 245.713

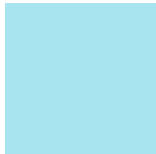


Deuteranomaly
87, 13.035, 274.606

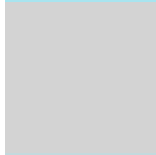


Tritanomaly
87, 20.107, 223.093

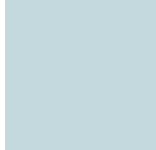
Monochromacy



Original Color
87, 20.016, 215.038



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 7.900, 214.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.016, 215.038 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(168, 228, 239)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 239)  
}
```

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(168, 228, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.016, 215.038 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(168, 228, 239) }
```

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

```
.border{ border-color:rgb(168, 228, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 228, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 228, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 228, 239);  
box-shadow:4px 4px 4px 4px rgb(168, 228,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.016, 215.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 239) }
```

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

```
.background{ background-color: rgb(168,  
228, 239) }
```

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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