

Converting Colors

CIELCh(87, 17.409, 211.647)

Have a look what the booklet for
CIELCh(87, 17.409, 211.647)
contains.

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Color

CIELCh(87, 17.499, 212.258)

Conversions

Conversions Part 1

Format	Color
Hex	AFE3EB
RGB	175, 227, 235
RGB Percent	69%, 89%, 92%
CMY	0.3139, 0.1100, 0.0787
CMYK	0.26, 0.03, 0.00, 0.08
HSL	188°, 60%, 80%
HSV	188°, 26%, 92%
XYZ	60.1047, 70.0064, 88.8954
YIQ	212.3640, -33.5600, -8.5360

Conversions

Conversions Part 2

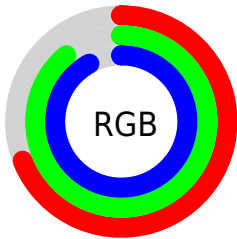
Format	Color
R _Y B	175, 203, 235
Decimal	11527147
CIE Lab	87.00, -14.80, -9.34
CIE LCh	87, 17.499, 212.258
Yxy	70.0064, 0.2744, 0.3197
Android (android.graphics.Color)	4289717227 (0xFFAFE3EB)
YUV	212.3640, 11.1595, -32.7682
Hunter-Lab	83.6698, -18.1956, -4.4240

Details

The CIELCh color `87, 17.499, 212.258` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `79, 20.934, 32.605`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.855, 198.993`, and `67, 17.535, 210.889` is the 20% darker color. If you saturate the color by 10%, you get `85, 23.394, 212.560`, and if you desaturate by 10%, it is `89, 11.006, 212.115`.

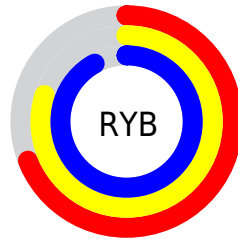
Distribution



Red (69%)

Green (89%)

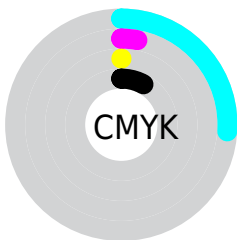
Blue (92%)



Red (69%)

Yellow (80%)

Blue (92%)

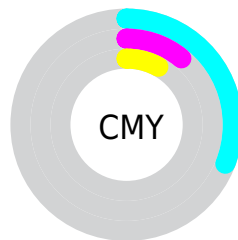


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (31%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.499, 212.258 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, 17.499, 212.258 by changing the saturation by 10% instead.

■ 87, 17.499,
212.258

■ 87, 17.499,
212.258

■ 100, 17.499,
212.258

■ 77, 17.499,
212.258

■ 67, 17.499,
212.258

■ 57, 17.499,
212.258

■ 47, 17.499,
212.258

■ 37, 17.499,
212.258

■ 27, 17.499,
212.258

■ 17, 17.499,

212.258

■ 7, 17.499, 212.258

■ 0, 17.499, 212.258

■ 87, 17.499,
212.258

■ 87, 17.499,
212.258

■ 85, 23.394,
212.560

■ 89, 11.006,
212.115

■ 83, 28.570,
213.070

■ 92, 4.031, 212.179

■ 94, 3.319, 31.898

■ 81, 32.915,
213.825

■ 96, 6.039, 42.151

■ 80, 36.341,
214.879

■ 96, 5.914, 60.836

■ 78, 38.802,

■ 97, 6.409, 78.365

216.289

98, 7.397, 92.252

77, 40.317,
218.112

99, 8.709, 102.382

76, 40.987,
220.392

100, 10.154,
109.409

75, 41.126,
221.515

Harmonies

Complementary

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



87, 17.499, 212.258



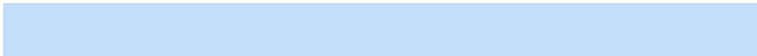
79, 20.934, 32.605

Rectangle

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



87, 17.499, 212.258



87, 17.499, 262.258



87, 17.499, 32.258



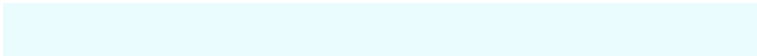
87, 17.499, 82.258

Sweetspot

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



87, 17.499, 212.253



98, 6.184, 212.130



88, 35.235, 145.981



52, 4.378, 212.115



0, 0.000, 0.000



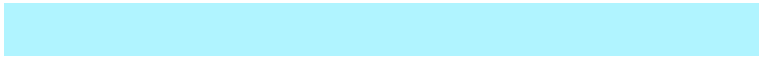
53, 0.007, 296.813

Same Dimension

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



87, 17.499, 212.253



92, 22.218, 212.402



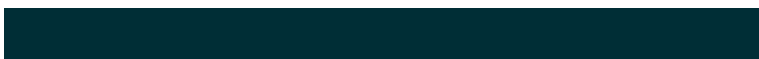
79, 20.891, 270.836



48, 4.089, 212.116



59, 33.863, 221.041



17, 14.642, 216.971

Inverse Universe

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



78, 34.894, 329.837



81, 45.193, 330.185



86, 21.369, 83.576



46, 7.716, 328.841



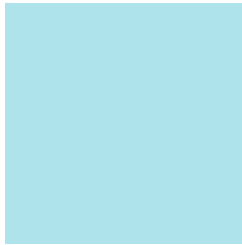
42, 80.519, 334.352



9, 35.005, 333.344

Previews

White Background



This preview shows how the CIELCh color 87, 17.499, 212.258 looks on a white background.

Color Contrast Check

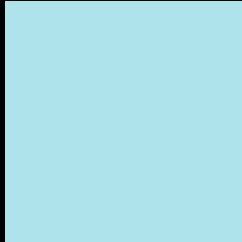
Large Text (above 18pt) WCAG AA × Fail

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, 17.499, 212.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

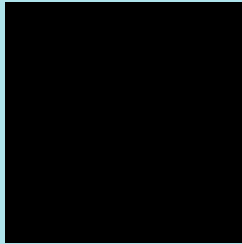
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 17.499, 212.258

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.499, 212.258.

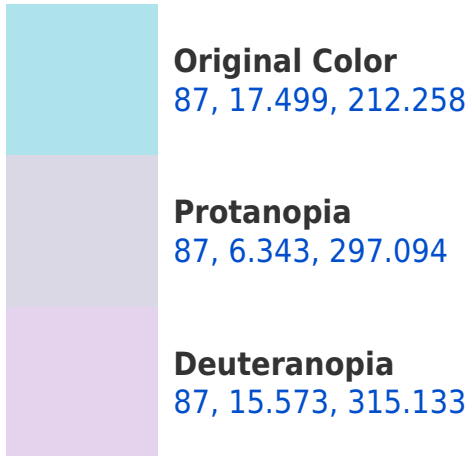


This preview shows how white text looks on a background with the CIELCh color 87, 17.499, 212.258.

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](#).

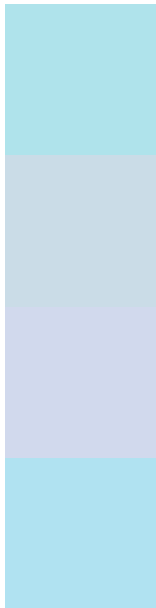
Dichromacy





Tritanopia
87, 18.168, 229.932

Trichromacy



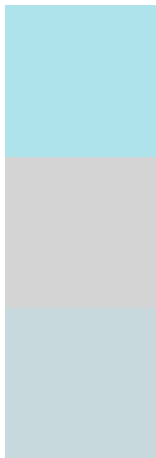
Original Color
87, 17.499, 212.258

Protanomaly
87, 8.362, 242.807

Deuteranomaly
87, 10.777, 276.308

Tritanomaly
87, 17.826, 224.746

Monochromacy



Original Color
87, 17.499, 212.258

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.475, 213.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.499, 212.258 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(175, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(175, 227, 235)  
}
```

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(175, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 227, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.499, 212.258 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(175, 227, 235) }
```

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

```
.border{ border-color:rgb(175, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 227, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 227, 235); box-shadow:4px 4px 4px 4px rgb(175, 227, 235) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.499, 212.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 227, 235) }
```

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

```
.background{ background-color: rgb(175,  
227, 235) }
```

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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