

Converting Colors

CIELCh(87, 18.623, 234.184)

Have a look what the booklet for
CIELCh(87, 18.623, 234.184)
contains.

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Color

CIELCh(87, 18.657, 234.903)

Conversions

Conversions Part 1

Format	Color
Hex	B1E1F6
RGB	177, 225, 246
RGB Percent	69%, 88%, 96%
CMY	0.3050, 0.1168, 0.0344
CMYK	0.28, 0.09, 0.00, 0.03
HSL	198°, 80%, 83%
HSV	198°, 28%, 97%
XYZ	61.8314, 70.0064, 97.6193
YIQ	213.0420, -35.3490, -3.6450

Conversions

Conversions Part 2

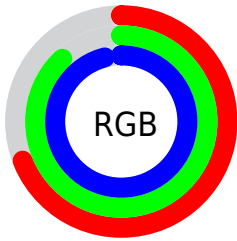
Format	Color
RYB	177, 205, 246
Decimal	11657718
CIELab	87.00, -10.73, -15.26
CIELCh	87, 18.657, 234.903
Yxy	70.0064, 0.2695, 0.3051
Android (android.graphics.Color)	4289847798 (0xFFB1E1F6)
YUV	213.0420, 16.2483, -31.6088
Hunter-Lab	83.6698, -14.5119, -10.6060

Details

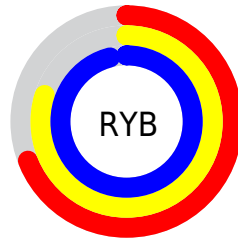
The CIELCh color $87, 18.657, 234.903$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $84, 22.062, 50.334$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 7.186, 199.043$, and $67, 18.617, 235.055$ is the 20% darker color. If you saturate the color by 10%, you get $84, 24.534, 236.426$, and if you desaturate by 10%, it is $90, 12.320, 233.705$.

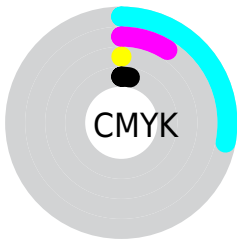
Distribution



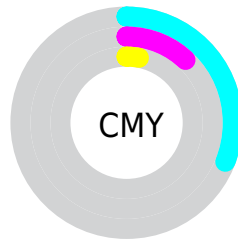
- Red (69%)
- Green (88%)
- Blue (96%)



- Red (69%)
- Yellow (80%)
- Blue (96%)



- Cyan (28%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)





- Cyan (31%)
- Magenta (12%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.657, 234.903 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, 18.657, 234.903 by changing the saturation by 10% instead.


 87, 18.657,
234.903


 87, 18.657,
234.903


 100, 18.657,
234.903


 77, 18.657,
234.903

 67, 18.657,
234.903

 57, 18.657,
234.903

 47, 18.657,
234.903

 37, 18.657,
234.903

 27, 18.657,
234.903

 17, 18.657,

234.903

■ 7, 18.657, 234.903

■ 0, 18.657, 234.903

■ 87, 18.657,
234.903

■ 87, 18.657,
234.903

■ 84, 24.534,
236.426

■ 90, 12.320,
233.705

■ 80, 29.872,
238.363

■ 94, 5.609, 232.811

■ 77, 34.605,
240.800

■ 98, 1.398, 51.537

■ 74, 38.704,
243.829

■ 100, 4.441,
109.829

■ 72, 42.197,

247.528

■ 69, 45.193,
251.927

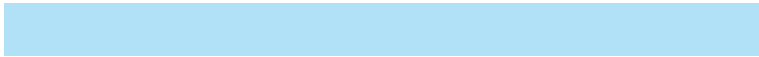
■ 67, 47.900,
256.928

■ 66, 48.446,
257.920

Harmonies

Complementary

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



87, 18.657, 234.903



84, 22.062, 50.334

Rectangle

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



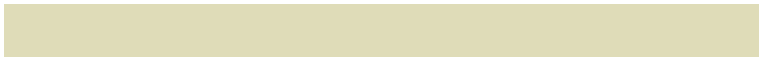
87, 18.657, 234.903



87, 18.657, 284.903



87, 18.657, 54.903



87, 18.657, 104.903

Sweetspot

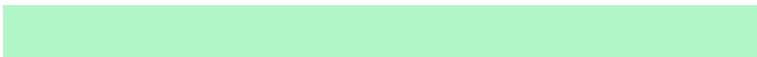
The Sweet Spot groups the original color and five complimentary colors.



87, 18.656, 234.898



97, 5.752, 232.810



91, 35.074, 152.028



51, 4.075, 232.923



0, 0.000, 0.000



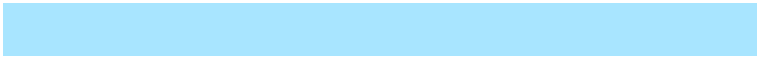
53, 0.007, 296.813

Same Dimension

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



87, 18.656, 234.898



88, 22.864, 235.776



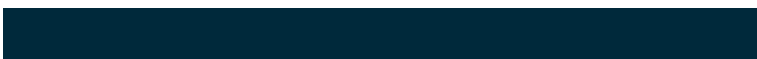
78, 29.763, 284.345



49, 3.941, 232.920



51, 38.933, 256.950



15, 16.331, 249.160

Inverse Universe

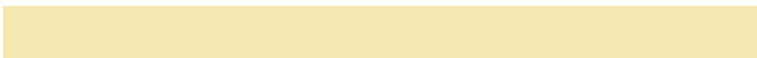
The Inverse Universe completely reimagines the original color for something new.



80, 35.334, 336.503



79, 44.021, 337.000



92, 28.810, 97.107



48, 7.076, 335.084



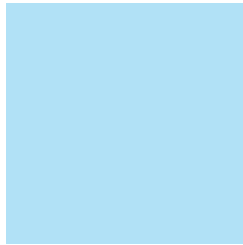
41, 72.661, 345.217



10, 33.173, 342.330

Previews

White Background



This preview shows how the CIELCh color 87, 18.657, 234.903 looks on a white background.

Color Contrast Check

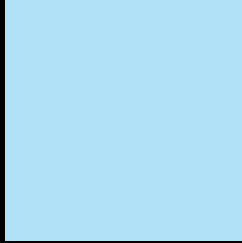
Large Text (above 18pt) WCAG AA × Fail

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, 18.657, 234.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

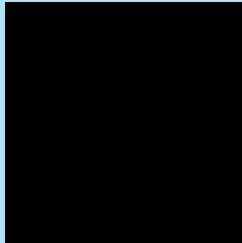
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 18.657, 234.903

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.657, 234.903.

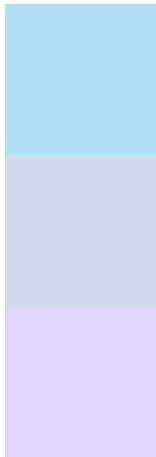


This preview shows how white text looks on a background with the CIELCh color 87, 18.657, 234.903.

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, 18.657, 234.903

Protanopia
87, 12.584, 288.105

Deuteranopia
87, 19.836, 302.627

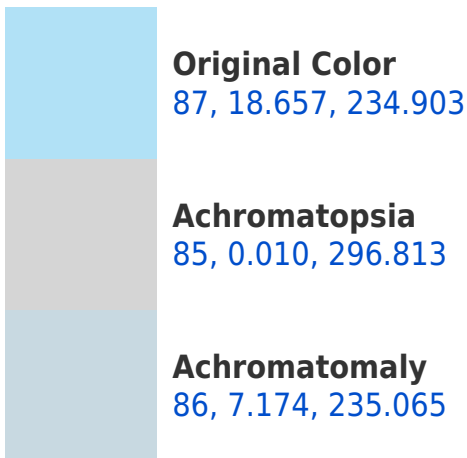


Tritanopia
87, 18.168, 229.932

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.657, 234.903 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(177, 225, 246)` looks like.

```
.text, #text, p{  
    color:rgb(177, 225, 246)  
}
```

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(177, 225, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 225, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.657, 234.903 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(177, 225, 246) }
```

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

```
.border{ border-color:rgb(177, 225, 246) }
```

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

Here you see how a box with a 4 pixel rgb(177, 225, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 225, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 225, 246);  
box-shadow:4px 4px 4px 4px rgb(177, 225,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.657, 234.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 225, 246) }
```

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

```
.background{ background-color: rgb(177,  
225, 246) }
```

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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