

# Converting Colors

CIELCh(88, 18.585, 198.209)

Have a look what the booklet for  
CIELCh(88, 18.585, 198.209)  
contains.

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# Color

**CIELCh(88, 18.614, 198.184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE7E7
RGB	175, 231, 231
RGB Percent	69%, 91%, 91%
CMY	0.3136, 0.0939, 0.0939
CMYK	0.24, 0.00, 0.00, 0.09
HSL	180°, 54%, 80%
HSV	180°, 24%, 91%
XYZ	60.7050, 72.0653, 86.3425
YIQ	214.2560, -33.3760, -11.8720

# Conversions

## Conversions Part 2

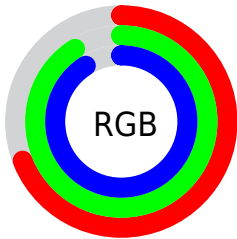
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 203, 231
Decimal	11528167
CIELab	88.00, -17.68, -5.81
CIELCh	88, 18.614, 198.184
Yxy	72.0653, 0.2770, 0.3289
Android (android.graphics.Color)	4289718247 (0xFFAFE7E7)
YUV	214.2560, 8.2548, -34.4275
Hunter-Lab	84.8913, -20.9159, -0.8797

# Details

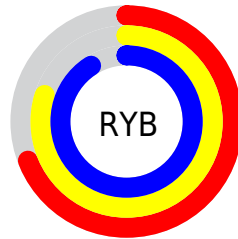
The CIELCh color **88, 18.614, 198.184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77, 21.907, 21.264**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.855, 198.993**, and **68, 18.481, 197.906** is the 20% darker color. If you saturate the color by 10%, you get **87, 25.291, 197.733**, and if you desaturate by 10%, it is **89, 11.289, 198.689**.

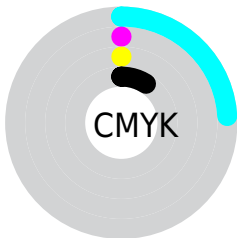
# Distribution



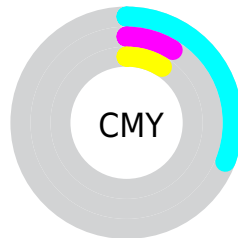
- Red (69%)
- Green (91%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 18.614, 198.184 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 88, 18.614, 198.184 by changing the saturation by 10% instead.



 88, 18.614,  
198.184

 88, 18.614,  
198.184


 100, 18.614,  
198.184


 78, 18.614,  
198.184

 68, 18.614,  
198.184

 58, 18.614,  
198.184

 48, 18.614,  
198.184

 38, 18.614,  
198.184


 28, 18.614,  
198.184


 18, 18.614,


198.184

 8, 18.614, 198.184


 0, 18.614, 198.184

 88, 18.614,  
198.184


 88, 18.614,  
198.184

 87, 25.291,  
197.733


 89, 11.289,  
198.689

 86, 31.185,  
197.348

 91, 3.448, 199.344

 85, 36.182,  
197.027

 93, 4.784, 19.603

 84, 40.193,  
196.773

 94, 8.677, 19.928

 84, 43.176,

 94, 8.677, 19.924

 94, 8.677, 19.920

196.586

94, 8.677, 19.917

84, 45.149,  
196.464

94, 8.677, 19.913

83, 46.198,  
196.398

94, 8.677, 19.909

83, 46.514,  
196.379

# Harmonies

# Complementary

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



88, 18.614, 198.184



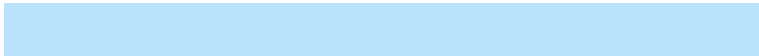
77, 21.907, 21.264

# Rectangle

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



88, 18.614, 198.184



88, 18.614, 248.184



88, 18.614, 18.184



88, 18.614, 68.184

# Sweetspot

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



88, 18.615, 198.179



99, 6.127, 199.121



87, 35.577, 142.418



53, 3.975, 199.080



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



88, 18.615, 198.179



95, 23.690, 197.952



81, 17.008, 257.188



47, 4.537, 198.965



66, 38.348, 196.379



18, 16.092, 196.380



# Inverse Universe

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



77, 21.907, 21.264



81, 28.928, 21.821



83, 18.290, 70.629



45, 4.817, 19.931



37, 79.982, 39.970

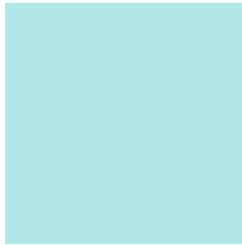


6, 27.105, 21.756



# Previews

## White Background



This preview shows how the CIE LCh color 88, 18.614, 198.184 looks on a white background.

## Color Contrast Check

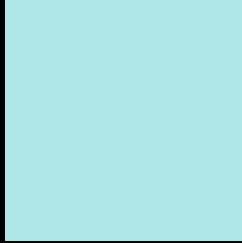
Large Text (above 18pt) WCAG AA × Fail

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 88, 18.614, 198.184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

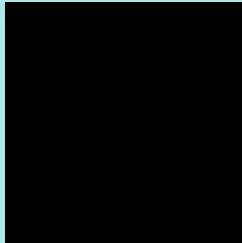
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 88, 18.614, 198.184

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 18.614, 198.184.

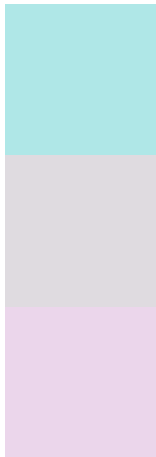


This preview shows how white text looks on a background with the CIELCh color 88, 18.614, 198.184.

# 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**  
88, 18.614, 198.184

**Protanopia**  
88, 3.001, 318.834

**Deuteranopia**  
88, 13.318, 324.912



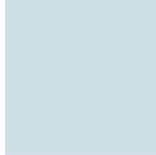


**Tritanopia**  
88, 18.653, 228.922

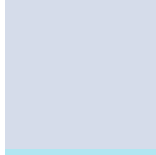
# Trichromacy



**Original Color**  
88, 18.614, 198.184



**Protanomaly**  
88, 6.248, 218.695



**Deuteranomaly**  
88, 7.667, 272.334

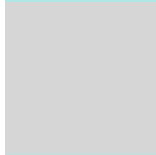


**Tritanomaly**  
88, 18.040, 217.030

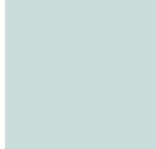
# Monochromacy



**Original Color**  
88, 18.614, 198.184



**Achromatopsia**  
86, 0.010, 296.813



**Achromatomaly**  
86, 7.024, 198.993

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 18.614, 198.184 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, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(175, 231, 231)  
}
```

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, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 231, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 18.614, 198.184 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, 231, 231) }
```

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

```
.border{ border-color:rgb(175, 231, 231) }
```

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

Here you see how a box with a 4 pixel rgb(175, 231, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(175, 231,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 18.614, 198.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 231, 231) }
```

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

```
.background{ background-color: rgb(175,  
231, 231) }
```

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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