

# Converting Colors

CIELCh(79, 14.799, 216.281)

Have a look what the booklet for  
CIELCh(79, 14.799, 216.281)  
contains.

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# **Color**

**CIELCh(79, 14.714, 215.427)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | A1CBD3                      |
| RGB         | 161, 203, 211               |
| RGB Percent | 63%, 80%, 83%               |
| CMY         | 0.3690, 0.2043, 0.1729      |
| CMYK        | 0.24, 0.04, 0.00, 0.17      |
| HSL         | 190°, 36%, 73%              |
| HSV         | 190°, 24%, 83%              |
| XYZ         | 47.7548, 54.9284, 69.6457   |
| YIQ         | 191.3540, -27.6000, -6.4160 |

# Conversions

## Conversions Part 2

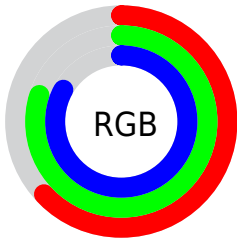
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">161, 184, 211</a>                  |
| Decimal                             | <a href="#">10603475</a>                       |
| CIELab                              | <a href="#">79.00, -11.99, -8.53</a>           |
| CIElCh                              | <a href="#">79, 14.714, 215.427</a>            |
| Yxy                                 | <a href="#">54.9284, 0.2771,<br/>0.3187</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4288793555<br/>(0xFFA1CBD3)</a>    |
| YUV                                 | <a href="#">191.3540, 9.6855,<br/>-26.6205</a> |
| Hunter-Lab                          | <a href="#">74.1137, -14.6834,<br/>-3.8361</a> |

# Details

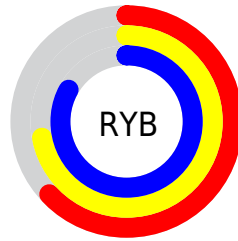
The CIELCh color **79, 14.714, 215.427** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 17.313, 35.105**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 12.771, 198.653**, and **59, 14.826, 216.122** is the 20% darker color. If you saturate the color by 10%, you get **77, 20.146, 215.861**, and if you desaturate by 10%, it is **81, 8.777, 215.169**.

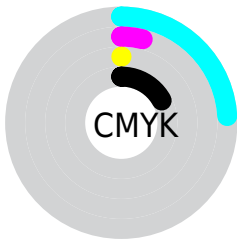
# Distribution



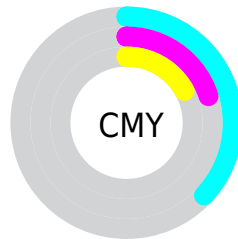
- Red (63%)
- Green (80%)
- Blue (83%)



- Red (63%)
- Yellow (72%)
- Blue (83%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




- Cyan (37%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 14.714, 215.427 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 79, 14.714, 215.427 by changing the saturation by 10% instead.




 79, 14.714,  
215.427

 79, 14.714,  
215.427

 100, 14.714,  
215.427


 69, 14.714,  
215.427


 99, 14.714,  
215.427

 59, 14.714,  
215.427

 49, 14.714,  
215.427

 39, 14.714,  
215.427

 29, 14.714,  
215.427

 19, 14.714,  
215.427

 9, 14.714, 215.427

0, 14.714, 215.427

79, 14.714,  
215.427

79, 14.714,  
215.427

77, 20.146,  
215.861

81, 8.777, 215.169

75, 24.968,  
216.524

84, 2.436, 215.197

73, 29.079,  
217.461

86, 4.220, 34.789

71, 32.398,  
218.732

89, 11.112, 34.917

70, 34.877,  
220.406

90, 13.984, 39.290

69, 36.522,  
222.552

91, 13.523, 47.828

92, 13.385, 56.739

93, 13.576, 65.600

■ 67, 37.412,  
225.227

■ 94, 14.083, 73.996

■ 67, 37.729,  
227.123

# Harmonies

# Complementary

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



79, 14.714, 215.427



73, 17.313, 35.105

# Rectangle

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



79, 14.714, 215.427



79, 14.714, 265.427



79, 14.714, 35.427



79, 14.714, 85.427

# Sweetspot

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



79, 14.714, 215.421



98, 5.323, 215.121



80, 29.258, 147.182



52, 3.453, 215.119



0, 0.000, 0.000



53, 0.007, 296.813



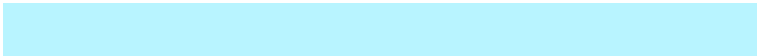


# Same Dimension

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



79, 14.714, 215.421



92, 19.943, 215.598



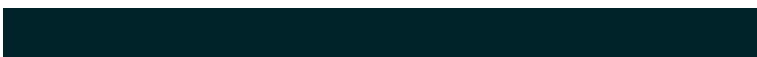
72, 18.451, 273.279



43, 3.651, 215.122



54, 31.898, 226.578



11, 12.293, 219.979



# Inverse Universe

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



72, 29.134, 330.611



83, 40.123, 330.905



79, 18.640, 86.724



41, 6.888, 329.707



38, 74.782, 335.754

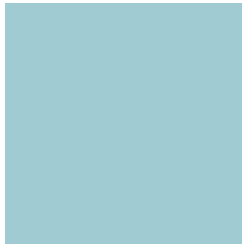


5, 27.503, 333.821



# Previews

## White Background



This preview shows how the CIELCh color 79, 14.714, 215.427 looks on a white background.

## Color Contrast Check

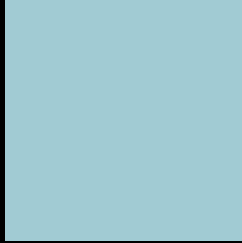
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 79, 14.714, 215.427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

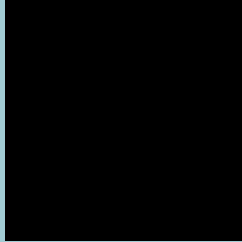
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

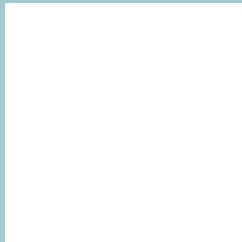
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 79, 14.714, 215.427**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 14.714, 215.427.

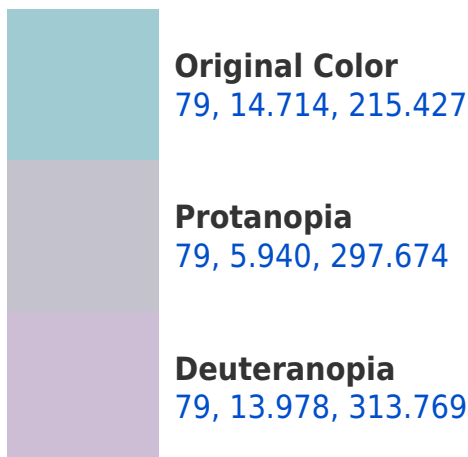


This preview shows how white text looks on a background with the CIELCh color 79, 14.714, 215.427.

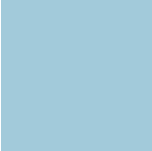
# Color Blindness Simulation

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**  
79, 15.589, 232.036

# Trichromacy



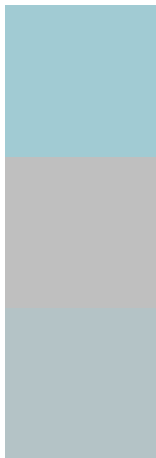
**Original Color**  
79, 14.714, 215.427

**Protanomaly**  
79, 7.193, 247.324

**Deuteranomaly**  
79, 9.807, 278.668

**Tritanomaly**  
79, 14.914, 226.469

# Monochromacy



**Original Color**  
79, 14.714, 215.427

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
78, 5.577, 215.894

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 14.714, 215.427 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(161, 203, 211)` looks like.

```
.text, #text, p{  
    color:rgb(161, 203, 211)  
}
```

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(161, 203, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 203, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 14.714, 215.427 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(161, 203, 211) }
```

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

```
.border{ border-color:rgb(161, 203, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 203, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 203, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 203, 211);  
box-shadow:4px 4px 4px 4px rgb(161, 203,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 14.714, 215.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 203, 211) }
```

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

```
.background{ background-color: rgb(161,  
203, 211) }
```

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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