

Converting Colors

CIELCh(77, 21.007, 179.362)

Have a look what the booklet for
CIELCh(77, 21.007, 179.362)
contains.

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Color

CIELCh(77, 20.915, 179.815)

Conversions

Conversions Part 1

Format	Color
Hex	90C9BD
RGB	144, 201, 189
RGB Percent	56%, 79%, 74%
CMY	0.4343, 0.2107, 0.2578
CMYK	0.28, 0.00, 0.06, 0.21
HSL	167°, 35%, 68%
HSV	167°, 28%, 79%
XYZ	41.7060, 51.5317, 56.0384
YIQ	182.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

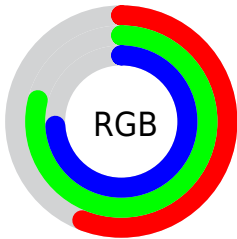
Format	Color
RYB	144, 176, 201
Decimal	9488829
CIELab	77.00, -20.91, 0.07
CIELCh	77, 20.915, 179.815
Yxy	51.5317, 0.2794, 0.3452
Android (android.graphics.Color)	4287678909 (0xFF90C9BD)
YUV	182.5890, 3.1606, -33.8426
Hunter-Lab	71.7856, -21.9200, 3.9660

Details

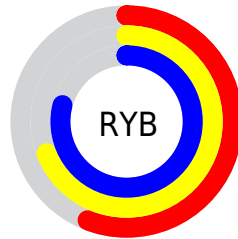
The CIELCh color **77, 20.915, 179.815** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 23.421, 5.544**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.561, 182.944**, and **57, 21.095, 180.012** is the 20% darker color. If you saturate the color by 10%, you get **76, 27.583, 178.754**, and if you desaturate by 10%, it is **78, 13.800, 180.810**.

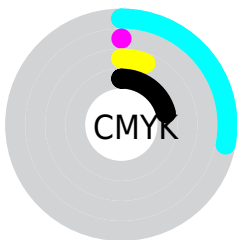
Distribution



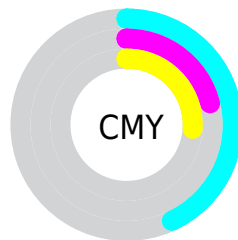
- Red (56%)
- Green (79%)
- Blue (74%)



- Red (56%)
- Yellow (69%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)





- Cyan (43%)
- Magenta (21%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 20.915, 179.815 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 77, 20.915, 179.815 by changing the saturation by 10% instead.


 77, 20.915,
179.815


 77, 20.915,
179.815


 100, 20.915,
179.815


 67, 20.915,
179.815


 97, 20.915,
179.815


 57, 20.915,
179.815

 47, 20.915,
179.815

 37, 20.915,
179.815

 27, 20.915,
179.815

 17, 20.915,
179.815

 7, 20.915, 179.815

0, 20.915, 179.815

77, 20.915,
179.815

77, 20.915,
179.815

76, 27.583,
178.754

78, 13.800,
180.810

75, 33.671,
177.615

80, 6.358, 181.783

74, 39.060,
176.374

81, 1.296, 2.196

83, 9.066, 3.381

74, 43.654,
175.008

85, 16.874, 4.222

73, 47.397,
173.494

86, 21.057, 1.726

73, 50.296,
171.811

86, 21.757,
356.156

■ 73, 52.471,
169.971

■ 86, 22.660,
350.996

■ 72, 52.812,
169.665

■ 86, 23.742,
346.285

Harmonies

Complementary

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



77, 20.915, 179.815



66, 23.421, 5.544

Rectangle

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



77, 20.915, 179.815



77, 20.915, 229.815



77, 20.915, 359.815



77, 20.915, 49.815

Sweetspot

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



77, 20.916, 179.812



98, 7.405, 181.805



77, 34.859, 136.865



52, 5.253, 181.653



0, 0.000, 0.000



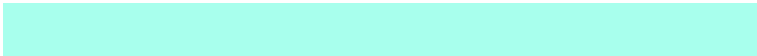
53, 0.007, 296.813

Same Dimension

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



77, 20.916, 179.812



94, 29.969, 179.170



73, 15.992, 232.008



41, 4.284, 181.679



60, 45.017, 169.978



11, 15.366, 174.799

Inverse Universe

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



66, 23.421, 5.544



78, 34.473, 6.460



69, 19.039, 48.021



39, 4.440, 3.257



34, 65.786, 28.079



3, 16.212, 8.627

Previews

White Background



This preview shows how the CIELCh color 77, 20.915, 179.815 looks on a white background.

Color Contrast Check

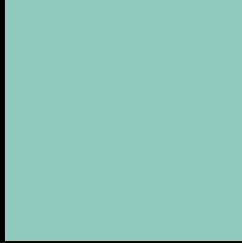
Large Text (above 18pt) WCAG AA × Fail

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 77, 20.915, 179.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

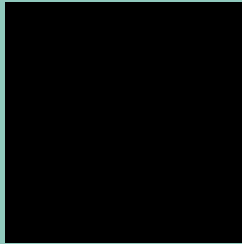
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

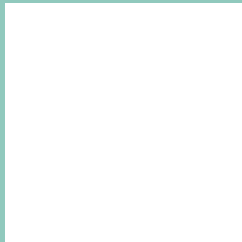
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 20.915, 179.815

Background



This preview shows how black text looks on a background with the CIELCh color 77, 20.915, 179.815.



This preview shows how white text looks on a background with the CIELCh color 77, 20.915, 179.815.

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](#).

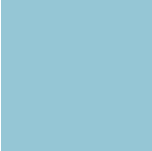
Dichromacy



Original Color
77, 20.915, 179.815

Protanopia
77, 4.176, 83.029

Deuteranopia
77, 9.527, 349.780



Tritanopia
77, 17.770, 225.496

Trichromacy



Original Color
77, 20.915, 179.815

Protanomaly
77, 7.623, 164.574

Deuteranomaly
77, 2.423, 225.825

Tritanomaly
77, 17.571, 207.013

Monochromacy



Original Color
77, 20.915, 179.815

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 8.140, 179.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 20.915, 179.815 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(144, 201, 189)` looks like.

```
.text, #text, p{  
    color:rgb(144, 201, 189)  
}
```

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(144, 201, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 201, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 20.915, 179.815 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(144, 201, 189) }
```

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

```
.border{ border-color:rgb(144, 201, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 201, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 201, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 201, 189);  
box-shadow:4px 4px 4px 4px rgb(144, 201,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 20.915, 179.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 201, 189) }
```

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

```
.background{ background-color: rgb(144,  
201, 189) }
```

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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