

Converting Colors

CIELCh(78, 28.796, 166.245)

Have a look what the booklet for
CIELCh(78, 28.796, 166.245)
contains.

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Color

CIELCh(78, 28.920, 166.055)

Conversions

Conversions Part 1

Format	Color
Hex	89CFB3
RGB	137, 207, 179
RGB Percent	54%, 81%, 70%
CMY	0.4627, 0.1881, 0.2979
CMYK	0.34, 0.00, 0.14, 0.19
HSL	156°, 42%, 67%
HSV	156°, 34%, 81%
XYZ	40.7769, 53.2120, 50.7810
YIQ	182.8780, -32.7320, -23.5480

Conversions

Conversions Part 2

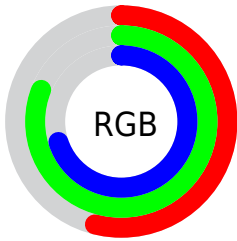
Format	Color
RYB	137, 181, 207
Decimal	9031603
CIELab	78.00, -28.07, 6.97
CIELCh	78, 28.920, 166.055
Yxy	53.2120, 0.2817, 0.3676
Android (android.graphics.Color)	4287221683 (0xFF89CFB3)
YUV	182.8780, -1.9119, -40.2350
Hunter-Lab	72.9466, -27.8755, 9.7884

Details

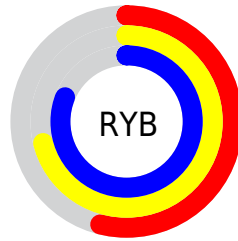
The CIELCh color **78, 28.920, 166.055** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **65, 30.916, 353.007**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.833, 172.353**, and **58, 28.819, 165.908** is the 20% darker color. If you saturate the color by 10%, you get **77, 36.835, 164.813**, and if you desaturate by 10%, it is **79, 20.607, 167.172**.

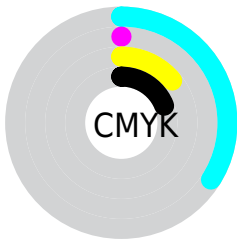
Distribution



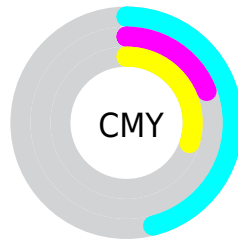
- Red (54%)
- Green (81%)
- Blue (70%)



- Red (54%)
- Yellow (71%)
- Blue (81%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)





- Cyan (46%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 28.920, 166.055 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 78, 28.920, 166.055 by changing the saturation by 10% instead.


 78, 28.920,
166.055

 78, 28.920,
166.055


 100, 28.920,
166.055


 68, 28.920,
166.055


 98, 28.920,
166.055

 58, 28.920,
166.055

 48, 28.920,
166.055

 38, 28.920,
166.055

 28, 28.920,
166.055

 18, 28.920,
166.055

 8, 28.920, 166.055

■ 0, 28.920, 166.055

■ 78, 28.920,
166.055

■ 78, 28.920,
166.055

■ 77, 36.835,
164.813

■ 79, 20.607,
167.172

■ 76, 44.202,
163.425

■ 81, 12.034,
168.196

■ 75, 50.885,
161.864

■ 82, 3.327, 169.216

■ 75, 56.781,
160.108

■ 84, 5.408, 349.846

■ 74, 61.836,
158.141

■ 86, 14.089,
350.687


■ 74, 66.076,
155.967

■ 88, 20.707,
348.045

■ 88, 23.184,

 74, 68.418,
154.583

338.934

 88, 26.158,
331.814

 88, 29.475,
326.298

Harmonies

Complementary

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



78, 28.920, 166.055



65, 30.916, 353.007

Rectangle

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



78, 28.920, 166.055



78, 28.920, 216.055



78, 28.920, 346.055



78, 28.920, 36.055

Sweetspot

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



78, 28.921, 166.054



98, 10.330, 168.559



79, 40.058, 130.374



52, 7.045, 168.420



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 28.921, 166.054



93, 41.006, 165.113



77, 21.096, 206.524



43, 4.990, 168.629



61, 58.254, 154.947



13, 20.297, 160.282

Inverse Universe

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



65, 30.916, 353.007



74, 44.469, 354.114



65, 26.909, 28.743



41, 5.086, 350.213



36, 62.084, 11.269



5, 20.996, 0.116

Previews

White Background



This preview shows how the CIELCh color 78, 28.920, 166.055 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 78, 28.920, 166.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

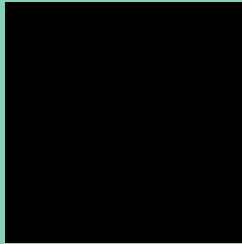
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

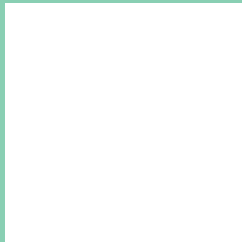
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 28.920, 166.055

Background



This preview shows how black text looks on a background with the CIELCh color 78, 28.920, 166.055.

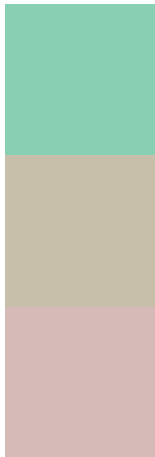


This preview shows how white text looks on a background with the CIELCh color 78, 28.920, 166.055.

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](#).

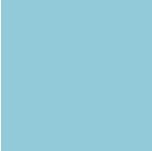
Dichromacy



Original Color
78, 28.920, 166.055

Protanopia
78, 11.219, 91.115

Deuteranopia
78, 10.731, 25.895



Tritanopia
78, 19.752, 224.129

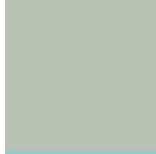
Trichromacy



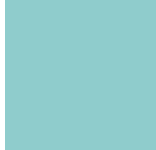
Original Color
78, 28.920, 166.055



Protanomaly
77, 14.458, 140.277



Deuteranomaly
78, 7.099, 134.437

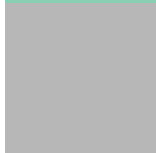


Tritanomaly
78, 20.339, 197.934

Monochromacy



Original Color
78, 28.920, 166.055



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 10.980, 169.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 28.920, 166.055 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(137, 207, 179)` looks like.

```
.text, #text, p{  
    color:rgb(137, 207, 179)  
}
```

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(137, 207, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 207, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 28.920, 166.055 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(137, 207, 179) }
```

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

```
.border{ border-color:rgb(137, 207, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 207, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 207, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 207, 179); box-shadow:4px 4px 4px 4px rgb(137, 207, 179) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 28.920, 166.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 207, 179) }
```

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

```
.background{ background-color: rgb(137,  
207, 179) }
```

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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