

Converting Colors

CIELCh(89, 20.032, 176.542)

Have a look what the booklet for
CIELCh(89, 20.032, 176.542)
contains.

CIELCh(89, 20.022, 176.662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 20.022, 176.662)

Conversions

Conversions Part 1

Format	Color
Hex	B5EBDD
RGB	181, 235, 221
RGB Percent	71%, 92%, 87%
CMY	0.2917, 0.0800, 0.1349
CMYK	0.23, 0.00, 0.06, 0.08
HSL	164°, 57%, 81%
HSV	164°, 23%, 92%
XYZ	61.5577, 74.1641, 79.2021
YIQ	217.2580, -27.6900, -15.8020

Conversions

Conversions Part 2

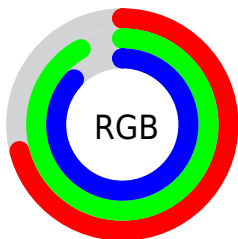
Format	Color
R _{YB}	181, 212, 235
Decimal	11922397
CIE Lab	89.00, -19.99, 1.17
CIE LCh	89, 20.022, 176.662
Yxy	74.1641, 0.2864, 0.3451
Android (android.graphics.Color)	4290112477 (0xFFB5EBDD)
YUV	217.2580, 1.8448, -31.7983
Hunter-Lab	86.1186, -23.1155, 5.7548

Details

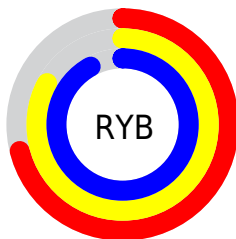
The CIELCh color **89, 20.022, 176.662** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79, 21.646, 1.275**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.840, 199.149**, and **69, 19.963, 176.753** is the 20% darker color. If you saturate the color by 10%, you get **88, 28.172, 175.573**, and if you desaturate by 10%, it is **91, 11.480, 177.681**.

Distribution



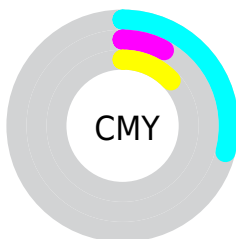
- Red (71%)
- Green (92%)
- Blue (87%)



- Red (71%)
- Yellow (83%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 20.022, 176.662 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 89, 20.022, 176.662 by changing the saturation by 10% instead.


 89, 20.022,
176.662

 89, 20.022,
176.662


 100, 20.022,
176.662


 79, 20.022,
176.662

 69, 20.022,
176.662

 59, 20.022,
176.662

 49, 20.022,
176.662

 39, 20.022,
176.662

 29, 20.022,
176.662

 19, 20.022,

176.662

■ 9, 20.022, 176.662

■ 0, 20.022, 176.662

■ 89, 20.022,
176.662

■ 89, 20.022,
176.662

■ 88, 28.172,
175.573

■ 91, 11.480,
177.681

■ 86, 35.776,
174.398

■ 92, 2.679, 178.778

■ 85, 42.685,
173.111

■ 94, 6.260, 359.370

■ 85, 48.766,
171.686

■ 95, 9.002, 343.912

■ 95, 11.116,
330.827

■ 84, 53.921,

170.099

95, 12.730,
324.860

83, 58.116,
168.328

83, 61.397,
166.363

83, 63.292,
164.913

Harmonies

Complementary

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



89, 20.022, 176.662



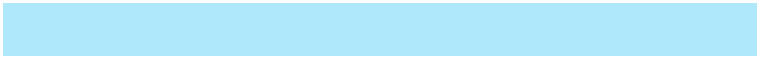
79, 21.646, 1.275

Rectangle

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



89, 20.022, 176.662



89, 20.022, 226.662



89, 20.022, 356.662



89, 20.022, 46.662

Sweetspot

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



89, 20.023, 176.659



99, 6.644, 178.290



89, 31.592, 135.685



52, 4.315, 178.226



0, 0.000, 0.000



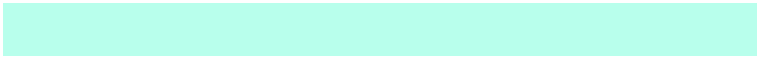
53, 0.007, 296.813

Same Dimension

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



89, 20.023, 176.659



95, 25.828, 176.113



86, 15.065, 224.757



48, 5.029, 178.038



66, 51.841, 165.291



19, 21.148, 168.768

Inverse Universe

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



79, 21.646, 1.275



82, 28.445, 1.960



81, 17.506, 42.710



46, 5.190, 359.691



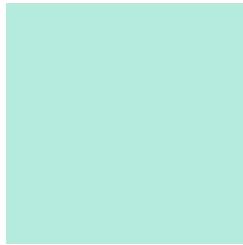
38, 69.234, 24.600



7, 27.821, 11.606

Previews

White Background



This preview shows how the CIELCh color 89, 20.022, 176.662 looks on a white background.

Color Contrast Check

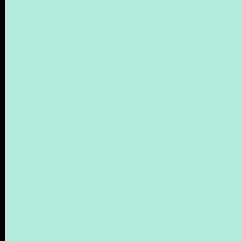
Large Text (above 18pt) WCAG AA × Fail

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 89, 20.022, 176.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

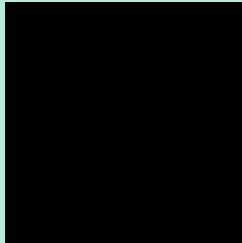
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

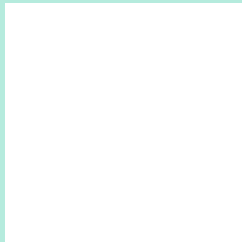
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 20.022, 176.662

Background



This preview shows how black text looks on a background with the CIELCh color 89, 20.022, 176.662.

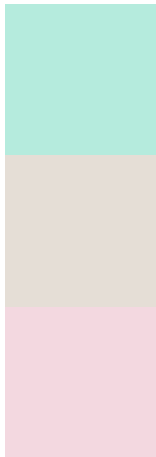


This preview shows how white text looks on a background with the CIELCh color 89, 20.022, 176.662.

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

89, 20.022, 176.662

Protanopia

89, 4.859, 78.048

Deuteranopia

89, 10.664, 357.244

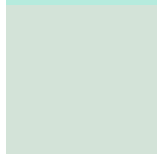


Tritanopia
89, 17.122, 234.172

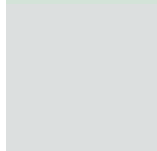
Trichromacy



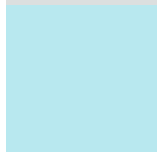
Original Color
89, 20.022, 176.662



Protanomaly
89, 8.150, 154.347



Deuteranomaly
89, 1.069, 199.890



Tritanomaly
89, 16.206, 211.498

Monochromacy



Original Color
89, 20.022, 176.662



Achromatopsia
87, 0.010, 296.813



Achromatomaly
87, 7.261, 177.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 20.022, 176.662 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(181, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(181, 235, 221)  
}
```

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(181, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 235, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 20.022, 176.662 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(181, 235, 221) }
```

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

```
.border{ border-color:rgb(181, 235, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(181, 235,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 20.022, 176.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 235, 221) }
```

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

```
.background{ background-color: rgb(181,  
235, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor