

Converting Colors

CIELCh(91, 19.946, 172.690)

Have a look what the booklet for
CIELCh(91, 19.946, 172.690)
contains.

CIELCh(91, 19.850, 173.357)	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(91, 19.850, 173.357)

Conversions

Conversions Part 1

Format	Color
Hex	BCF0E0
RGB	188, 240, 224
RGB Percent	74%, 94%, 88%
CMY	0.2623, 0.0583, 0.1211
CMYK	0.22, 0.00, 0.07, 0.06
HSL	162°, 64%, 84%
HSV	162°, 22%, 94%
XYZ	65.4322, 78.4833, 82.3035
YIQ	222.6280, -25.8560, -16.0000

Conversions

Conversions Part 2

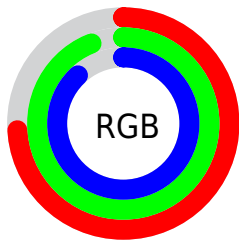
Format	Color
R _Y B	188, 219, 240
Decimal	12382432
CIE Lab	91.00, -19.72, 2.30
CIE LCh	91, 19.850, 173.357
Yxy	78.4833, 0.2892, 0.3469
Android (android.graphics.Color)	4290572512 (0xFFBCF0E0)
YUV	222.6280, 0.6764, -30.3688
Hunter-Lab	88.5908, -23.1958, 6.9314

Details

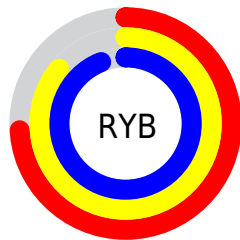
The CIELCh color **91, 19.850, 173.357** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81, 21.113, 357.662**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 3.457, 199.378**, and **71, 19.812, 173.344** is the 20% darker color. If you saturate the color by 10%, you get **90, 28.567, 172.251**, and if you desaturate by 10%, it is **93, 10.796, 174.386**.

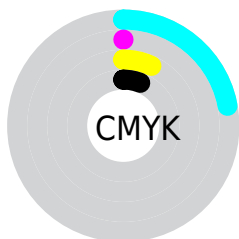
Distribution



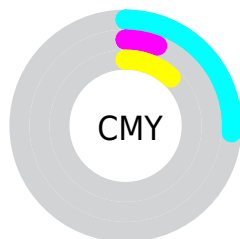
- Red (74%)
- Green (94%)
- Blue (88%)



- Red (74%)
- Yellow (86%)
- Blue (94%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)





- Cyan (26%)
- Magenta (6%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 19.850, 173.357 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 91, 19.850, 173.357 by changing the saturation by 10% instead.


 91, 19.850,
173.357


 91, 19.850,
173.357


 100, 19.850,
173.357


 81, 19.850,
173.357


 71, 19.850,
173.357

 61, 19.850,
173.357

 51, 19.850,
173.357

 41, 19.850,
173.357

 31, 19.850,
173.357

 21, 19.850,

173.357

■ 11, 19.850,
173.357

■ 1, 19.850, 173.357

■ 91, 19.850,
173.357

■ 91, 19.850,
173.357

■ 90, 28.567,
172.251

■ 93, 10.796,
174.386

■ 88, 36.789,
171.047

■ 95, 1.540, 175.627

■ 87, 44.358,
169.719

■ 96, 6.165, 348.975

■ 86, 51.129,
168.240

■ 96, 8.726, 327.238

■ 96, 9.274, 324.731

■ 86, 56.988,
166.586

■ 85, 61.883,
164.734

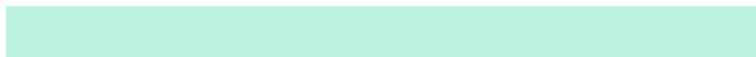
■ 85, 65.843,
162.677

■ 85, 68.592,
160.851

Harmonies

Complementary

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



91, 19.850, 173.357



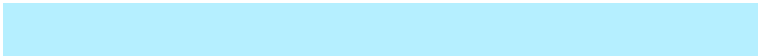
81, 21.113, 357.662

Rectangle

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



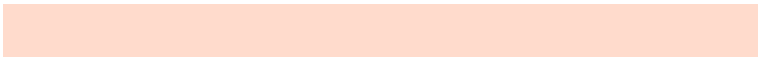
91, 19.850, 173.357



91, 19.850, 223.357



91, 19.850, 353.357



91, 19.850, 43.357

Sweetspot

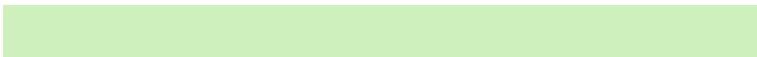
The Sweet Spot groups the original color and five complimentary colors.



91, 19.852, 173.354



99, 5.854, 174.970



91, 29.847, 134.216



53, 3.882, 174.899



0, 0.000, 0.000



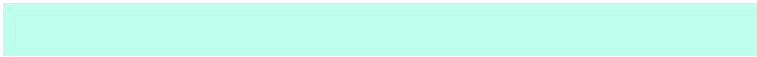
53, 0.007, 296.813

Same Dimension

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



91, 19.852, 173.354



95, 24.866, 172.876



89, 14.824, 218.243



49, 5.263, 174.608



66, 55.723, 161.256



20, 23.043, 164.767

Inverse Universe

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



81, 21.113, 357.662



83, 26.802, 358.226



83, 17.167, 37.430



47, 5.406, 356.272



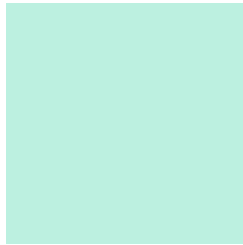
39, 68.255, 20.380



8, 28.772, 9.823

Previews

White Background



This preview shows how the CIE LCh color 91, 19.850, 173.357 looks on a white background.

Color Contrast Check

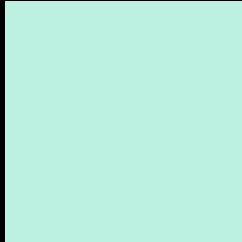
Large Text (above 18pt) WCAG AA × Fail

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 91, 19.850, 173.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

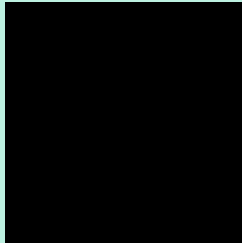
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

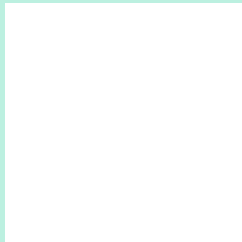
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 19.850, 173.357

Background



This preview shows how black text looks on a background with the CIELCh color 91, 19.850, 173.357.

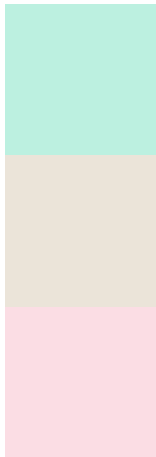


This preview shows how white text looks on a background with the CIELCh color 91, 19.850, 173.357.

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
91, 19.850, 173.357

Protanopia
91, 6.214, 85.403

Deuteranopia
91, 11.479, 1.861

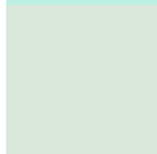


Tritanopia
91, 16.317, 233.755

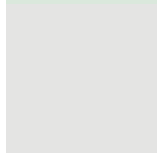
Trichromacy



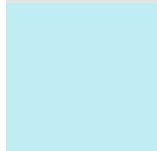
Original Color
91, 19.850, 173.357



Protanomaly
91, 8.027, 148.282



Deuteranomaly
91, 0.508, 109.997



Tritanomaly
91, 15.197, 210.370

Monochromacy



Original Color
91, 19.850, 173.357



Achromatopsia
89, 0.011, 296.813



Achromatomaly
89, 7.446, 174.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 19.850, 173.357 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(188, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(188, 240, 224)  
}
```

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(188, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 240, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 19.850, 173.357 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(188, 240, 224) }
```

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

```
.border{ border-color:rgb(188, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(188, 240,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 19.850, 173.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 240, 224) }
```

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

```
.background{ background-color: rgb(188,  
240, 224) }
```

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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