

Converting Colors

CIELCh(90, 16.837, 189.399)

Have a look what the booklet for
CIELCh(90, 16.837, 189.399)
contains.

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Color

CIELCh(90, 16.847, 189.393)

Conversions

Conversions Part 1

Format	Color
Hex	BBECE7
RGB	187, 236, 231
RGB Percent	73%, 93%, 91%
CMY	0.2668, 0.0746, 0.0942
CMYK	0.21, 0.00, 0.02, 0.07
HSL	174°, 56%, 83%
HSV	174°, 21%, 93%
XYZ	64.8936, 76.3034, 86.8878
YIQ	220.7790, -27.5990, -11.9430

Conversions

Conversions Part 2

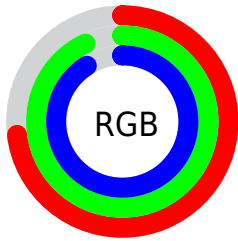
Format	Color
R _{YB}	187, 213, 236
Decimal	12315879
CIE Lab	90.00, -16.62, -2.75
CIE LCh	90, 16.847, 189.393
Yxy	76.3034, 0.2845, 0.3345
Android (android.graphics.Color)	4290505959 (0xFFBBECE7)
YUV	220.7790, 5.0390, -29.6242
Hunter-Lab	87.3518, -20.2581, 2.1712

Details

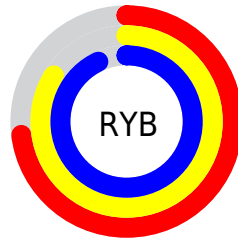
The CIELCh color **90, 16.847, 189.393** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 18.820, 12.912**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **70, 16.802, 188.620** is the 20% darker color. If you saturate the color by 10%, you get **89, 24.243, 188.575**, and if you desaturate by 10%, it is **92, 8.936, 190.208**.

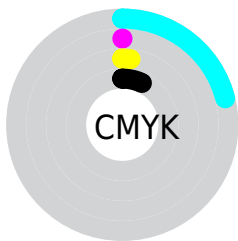
Distribution



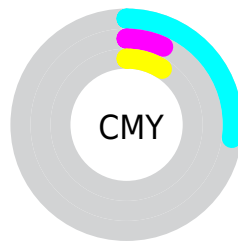
- Red (73%)
- Green (93%)
- Blue (91%)



- Red (73%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)





- Cyan (27%)
- Magenta (7%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.847, 189.393 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 90, 16.847, 189.393 by changing the saturation by 10% instead.


 90, 16.847,
189.393


 90, 16.847,
189.393


 100, 16.847,
189.393


 80, 16.847,
189.393


 70, 16.847,
189.393

 60, 16.847,
189.393

 50, 16.847,
189.393

 40, 16.847,
189.393

 30, 16.847,
189.393

 20, 16.847,

189.393

■ 10, 16.847,
189.393

■ 0, 16.847, 189.393

■ 90, 16.847,
189.393

■ 90, 16.847,
189.393

■ 89, 24.243,
188.575

■ 92, 8.936, 190.208

■ 88, 30.978,
187.747

■ 93, 0.644, 191.860

■ 87, 36.916,
186.894

■ 95, 6.917, 10.324

■ 86, 41.935,
186.001

■ 95, 7.210, 0.614

■ 95, 7.694, 351.902

■ 95, 8.337, 344.389

■ 85, 45.954,
185.052

■ 95, 9.105, 338.059

■ 85, 48.946,
184.028

■ 95, 9.968, 332.784

■ 84, 50.956,
182.912

■ 95, 10.905,
328.397

■ 84, 52.126,
181.803

Harmonies

Complementary

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



90, 16.847, 189.393



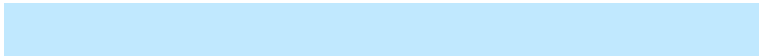
80, 18.820, 12.912

Rectangle

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



90, 16.847, 189.393



90, 16.847, 239.393



90, 16.847, 9.393



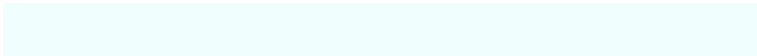
90, 16.847, 59.393

Sweetspot

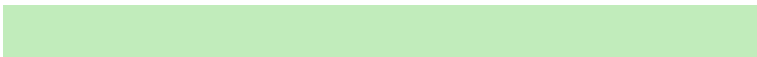
The Sweet Spot groups the original color and five complimentary colors.



90, 16.848, 189.388



99, 5.350, 190.631



89, 30.007, 140.097



53, 3.545, 190.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 16.848, 189.388



96, 21.346, 189.036



85, 13.900, 244.411



48, 4.705, 190.319



66, 42.659, 182.024



19, 17.968, 183.951

Inverse Universe

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



80, 18.820, 12.912



83, 24.456, 13.443



85, 15.303, 59.842



46, 4.940, 11.706



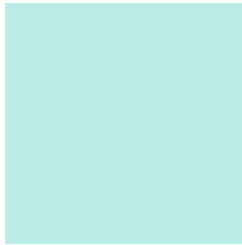
38, 76.527, 35.669



7, 28.147, 18.540

Previews

White Background



This preview shows how the CIE LCh color 90, 16.847, 189.393 looks on a white background.

Color Contrast Check

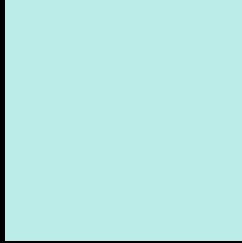
Large Text (above 18pt) WCAG AA × Fail

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 90, 16.847, 189.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

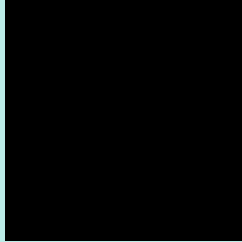
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

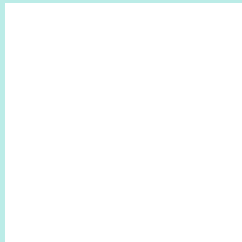
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.847, 189.393

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.847, 189.393.

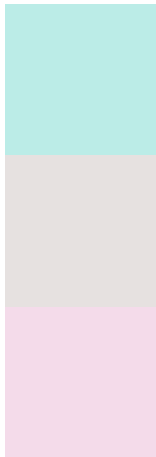


This preview shows how white text looks on a background with the CIELCh color 90, 16.847, 189.393.

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
90, 16.847, 189.393

Protanopia
90, 1.863, 35.343

Deuteranopia
90, 11.897, 339.379

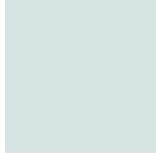


Tritanopia
90, 16.342, 233.787

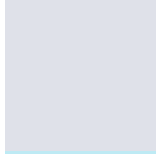
Trichromacy



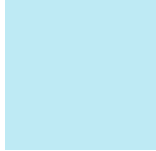
Original Color
90, 16.847, 189.393



Protanomaly
90, 5.398, 188.031



Deuteranomaly
90, 4.215, 280.939

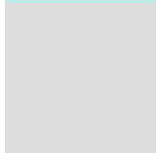


Tritanomaly
90, 15.306, 218.498

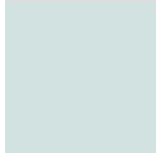
Monochromacy



Original Color
90, 16.847, 189.393



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 6.006, 194.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.847, 189.393 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(187, 236, 231)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 231)  
}
```

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(187, 236, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.847, 189.393 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(187, 236, 231) }
```

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

```
.border{ border-color:rgb(187, 236, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 236, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 236, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 236, 231);  
box-shadow:4px 4px 4px 4px rgb(187, 236,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.847, 189.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 236, 231) }
```

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

```
.background{ background-color: rgb(187,  
236, 231) }
```

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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