

Converting Colors

CIELCh(88, 16.828, 199.827)

Have a look what the booklet for
CIELCh(88, 16.828, 199.827)
contains.

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Color

CIELCh(88, 16.735, 200.112)

Conversions

Conversions Part 1

Format	Color
Hex	B4E6E7
RGB	180, 230, 231
RGB Percent	71%, 90%, 91%
CMY	0.2941, 0.0980, 0.0941
CMYK	0.22, 0.00, 0.00, 0.09
HSL	181°, 52%, 81%
HSV	181°, 22%, 91%
XYZ	61.5420, 72.0653, 86.2664
YIQ	215.1640, -30.1210, -10.2890

Conversions

Conversions Part 2

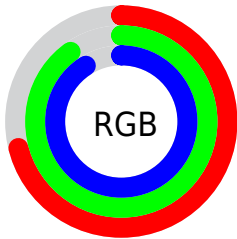
Format	Color
R_{YB}	180, 205, 231
Decimal	11855591
CIE Lab	88.00, -15.71, -5.75
CIE LCh	88, 16.735, 200.112
Yxy	72.0653, 0.2799, 0.3278
Android (android.graphics.Color)	4290045671 (0xFFB4E6E7)
YUV	215.1640, 7.8071, -30.8388
Hunter-Lab	84.8913, -19.1560, -0.8265

Details

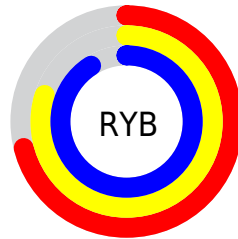
The CIELCh color `88, 16.735, 200.112` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `78, 19.417, 22.550`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.178, 199.121`, and `68, 16.595, 199.980` is the 20% darker color. If you saturate the color by 10%, you get `87, 23.419, 199.734`, and if you desaturate by 10%, it is `90, 9.441, 200.557`.

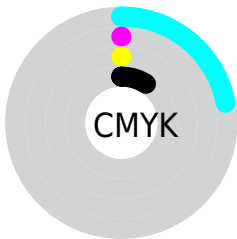
Distribution



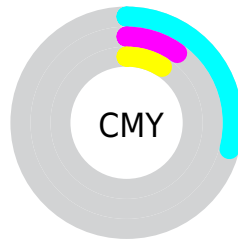
- Red (71%)
- Green (90%)
- Blue (91%)



- Red (71%)
- Yellow (80%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (29%)
- Magenta (10%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 16.735, 200.112 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 88, 16.735, 200.112 by changing the saturation by 10% instead.


 88, 16.735,
200.112


 88, 16.735,
200.112


 100, 16.735,
200.112


 78, 16.735,
200.112

 68, 16.735,
200.112

 58, 16.735,
200.112

 48, 16.735,
200.112

 38, 16.735,
200.112

 28, 16.735,
200.112

 18, 16.735,

200.112

■ 8, 16.735, 200.112

■ 0, 16.735, 200.112

■ 88, 16.735,
200.112

■ 88, 16.735,
200.112

■ 87, 23.419,
199.734

■ 90, 9.441, 200.557

■ 85, 29.359,
199.438

■ 91, 1.664, 201.334

■ 93, 6.476, 21.380

■ 84, 34.435,
199.225

■ 94, 8.410, 22.731

■ 84, 38.549,
199.103

■ 94, 8.261, 24.372

■ 94, 8.119, 26.072

■ 83, 41.645,

199.078

94, 7.985, 27.830

83, 43.721,
199.153

94, 7.858, 29.647

82, 44.846,
199.329

94, 7.740, 31.521

82, 45.226,
199.526

Harmonies

Complementary

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



88, 16.735, 200.112



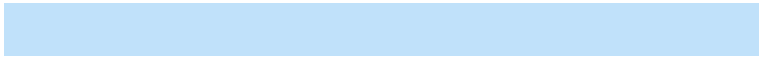
78, 19.417, 22.550

Rectangle

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



88, 16.735, 200.112



88, 16.735, 250.112



88, 16.735, 20.112



88, 16.735, 70.112

Sweetspot

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



88, 16.736, 200.107



99, 6.007, 200.835



87, 32.207, 143.433



53, 3.897, 200.797



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 16.736, 200.107



95, 21.049, 199.946



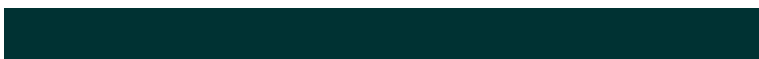
81, 15.997, 260.487



47, 4.447, 200.694



65, 37.308, 199.472



18, 15.721, 198.984

Inverse Universe

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



79, 32.164, 326.181



84, 41.025, 326.405



84, 16.868, 74.406



45, 8.197, 325.468



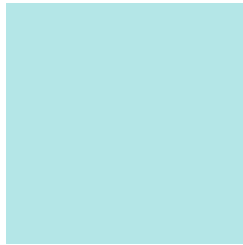
42, 87.089, 329.021



8, 36.632, 328.898

Previews

White Background



This preview shows how the CIELCh color 88, 16.735, 200.112 looks on a white background.

Color Contrast Check

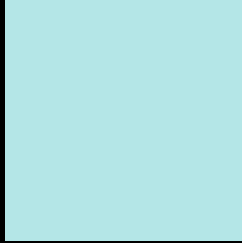
Large Text (above 18pt) WCAG AA × Fail

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 88, 16.735, 200.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

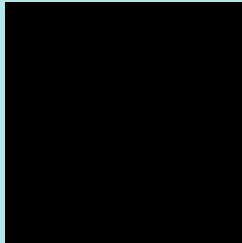
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

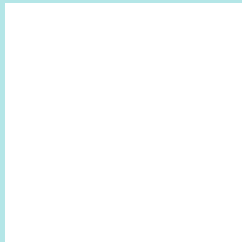
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 16.735, 200.112

Background



This preview shows how black text looks on a background with the CIELCh color 88, 16.735, 200.112.

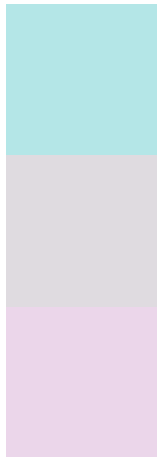


This preview shows how white text looks on a background with the CIELCh color 88, 16.735, 200.112.

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
88, 16.735, 200.112

Protanopia
88, 3.001, 318.834

Deuteranopia
88, 12.894, 326.220

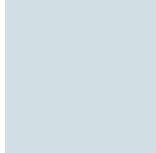


Tritanopia
88, 17.138, 232.048

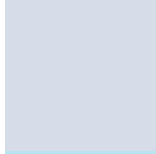
Trichromacy



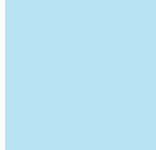
Original Color
88, 16.735, 200.112



Protanomaly
88, 5.927, 219.825



Deuteranomaly
88, 6.985, 276.316

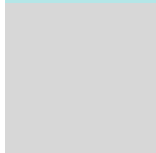


Tritanomaly
88, 16.484, 220.949

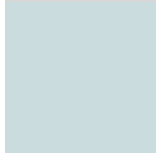
Monochromacy



Original Color
88, 16.735, 200.112



Achromatopsia
86, 0.010, 296.813



Achromatomaly
86, 6.335, 203.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 16.735, 200.112 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(180, 230, 231)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 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(180, 230, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 16.735, 200.112 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(180, 230, 231) }
```

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

```
.border{ border-color:rgb(180, 230, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 230, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 231);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 16.735, 200.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 231) }
```

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

```
.background{ background-color: rgb(180,  
230, 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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