

Converting Colors

CIELCh(89, 18.316, 223.841)

Have a look what the booklet for
CIELCh(89, 18.316, 223.841)
contains.

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Color

CIELCh(89, 18.316, 223.841)

Conversions

Conversions Part 1

Format	Color
Hex	B4E8F7
RGB	180, 232, 247
RGB Percent	71%, 91%, 97%
CMY	0.2939, 0.0900, 0.0312
CMYK	0.27, 0.06, 0.00, 0.03
HSL	193°, 81%, 84%
HSV	193°, 27%, 97%
XYZ	64.4965, 74.1641, 98.9468
YIQ	218.1620, -35.8070, -6.3590

Conversions

Conversions Part 2

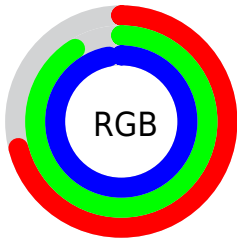
Format	Color
R _Y B	180, 209, 247
Decimal	11856119
CIE _{Lab}	89.00, -13.21, -12.69
CIE _{LCh}	89, 18.316, 223.841
Y _{xy}	74.1641, 0.2714, 0.3121
Android (android.graphics.Color)	4290046199 (0xFFB4E8F7)
Y _{UV}	218.1620, 14.2171, -33.4681
Hunter-Lab	86.1186, -17.0242, -7.8388

Details

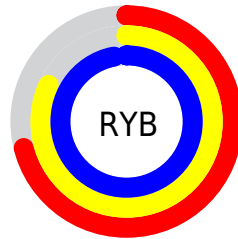
The CIELCh color **89, 18.316, 223.841** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 21.994, 41.657**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.178, 199.121**, and **69, 18.446, 224.949** is the 20% darker color. If you saturate the color by 10%, you get **86, 24.142, 224.809**, and if you desaturate by 10%, it is **92, 11.931, 223.129**.

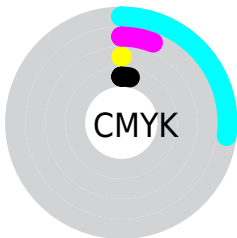
Distribution



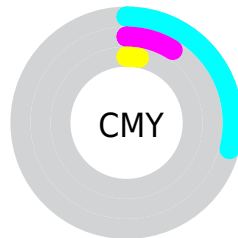
- Red (71%)
- Green (91%)
- Blue (97%)



- Red (71%)
- Yellow (82%)
- Blue (97%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)





- Cyan (29%)
- Magenta (9%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 18.316, 223.841 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, 18.316, 223.841 by changing the saturation by 10% instead.


 89, 18.316,
223.841


 89, 18.316,
223.841


 100, 18.316,
223.841


 79, 18.316,
223.841

 69, 18.316,
223.841

 59, 18.316,
223.841

 49, 18.316,
223.841

 39, 18.316,
223.841

 29, 18.316,
223.841

 19, 18.316,

223.841

■ 9, 18.316, 223.841

■ 0, 18.316, 223.841

■ 89, 18.316,
223.841

■ 89, 18.316,
223.841

■ 86, 24.142,
224.809

■ 92, 11.931,
223.129

■ 84, 29.304,
226.108

■ 95, 5.094, 222.674

■ 98, 2.100, 41.882

■ 81, 33.706,
227.811

■ 100, 3.612,
105.219

■ 79, 37.283,
230.007

■ 100, 4.023,
109.858

■ 77, 40.023,

232.788

■ 75, 41.989,
236.231

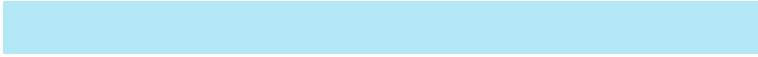
■ 73, 43.350,
240.350

■ 72, 43.707,
241.595

Harmonies

Complementary

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



89, 18.316, 223.841



83, 21.994, 41.657

Rectangle

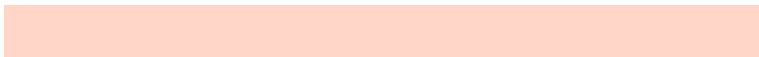
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



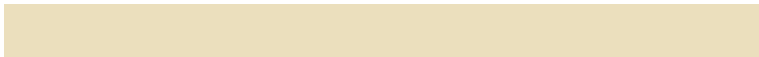
89, 18.316, 223.841



89, 18.316, 273.841



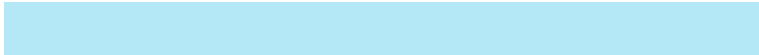
89, 18.316, 43.841



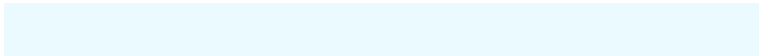
89, 18.316, 93.841

Sweetspot

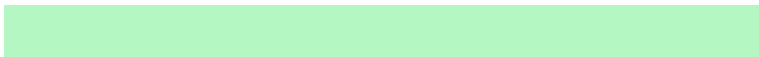
The Sweet Spot groups the original color and five complimentary colors.



89, 18.316, 223.836



97, 5.860, 222.701



92, 36.241, 149.063



52, 4.149, 222.754



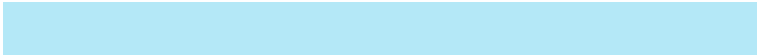
0, 0.000, 0.000



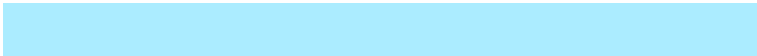
53, 0.007, 296.813

Same Dimension

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



89, 18.316, 223.836



90, 22.379, 224.378



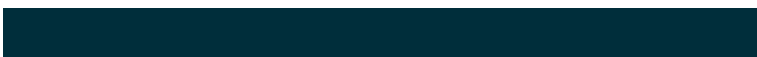
80, 26.080, 278.935



50, 4.013, 222.752



56, 35.226, 240.754



17, 15.381, 234.335

Inverse Universe

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



81, 36.245, 333.168



80, 45.160, 333.593



91, 25.829, 91.511



48, 7.495, 331.953



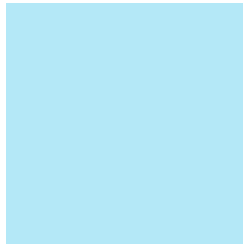
42, 76.759, 339.652



10, 34.879, 337.815

Previews

White Background



This preview shows how the CIELCh color 89, 18.316, 223.841 looks on a white background.

Color Contrast Check

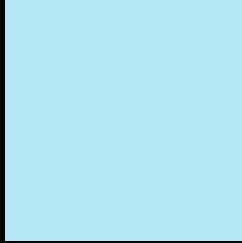
Large Text (above 18pt) WCAG AA × Fail

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, 18.316, 223.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

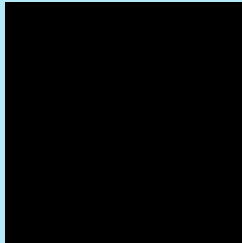
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 18.316, 223.841

Background



This preview shows how black text looks on a background with the CIELCh color 89, 18.316, 223.841.

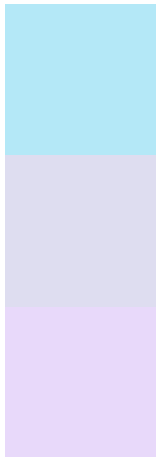


This preview shows how white text looks on a background with the CIELCh color 89, 18.316, 223.841.

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, 18.316, 223.841

Protanopia
89, 9.928, 292.992

Deuteranopia
89, 18.059, 308.097

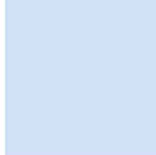


Tritanopia
89, 18.630, 228.887

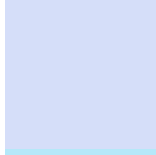
Trichromacy



Original Color
89, 18.316, 223.841



Protanomaly
89, 11.057, 257.493

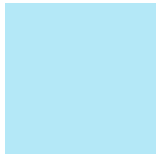


Deuteranomaly
89, 14.339, 279.130

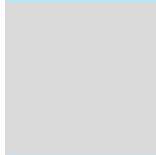


Tritanomaly
89, 18.423, 227.376

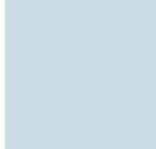
Monochromacy



Original Color
89, 18.316, 223.841



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 7.233, 224.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 18.316, 223.841 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, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 247)  
}
```

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, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 18.316, 223.841 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, 232, 247) }
```

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

```
.border{ border-color:rgb(180, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 18.316, 223.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 247) }
```

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

```
.background{ background-color: rgb(180,  
232, 247) }
```

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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