

Converting Colors

CIELCh(89, 11.494, 228.658)

Have a look what the booklet for
CIELCh(89, 11.494, 228.658)
contains.

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Color

CIELCh(89, 11.491, 228.871)

Conversions

Conversions Part 1

Format	Color
Hex	C7E5F0
RGB	199, 229, 240
RGB Percent	78%, 90%, 94%
CMY	0.2212, 0.1036, 0.0604
CMYK	0.17, 0.05, 0.00, 0.06
HSL	196°, 57%, 86%
HSV	196°, 17%, 94%
XYZ	67.0178, 74.1641, 92.8972
YIQ	221.2840, -21.4110, -2.9390

Conversions

Conversions Part 2

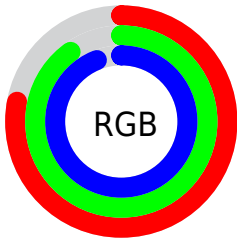
Format	Color
R_{YB}	199, 216, 240
Decimal	13100528
CIE _{Lab}	89.00, -7.56, -8.66
CIE _{LCh}	89, 11.491, 228.871
Yxy	74.1641, 0.2863, 0.3168
Android (android.graphics.Color)	4291290608 (0xFFC7E5F0)
YUV	221.2840, 9.2270, -19.5431
Hunter-Lab	86.1186, -11.7982, -3.6738

Details

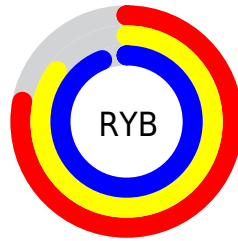
The CIELCh color **89, 11.491, 228.871** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 12.742, 46.759**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 11.395, 227.627** is the 20% darker color. If you saturate the color by 10%, you get **86, 17.693, 229.827**, and if you desaturate by 10%, it is **92, 4.890, 228.178**.

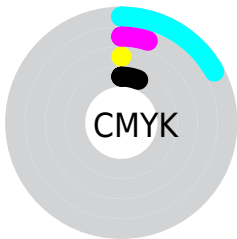
Distribution



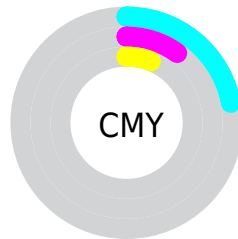
- Red (78%)
- Green (90%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)





- Cyan (22%)
- Magenta (10%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 11.491, 228.871 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, 11.491, 228.871 by changing the saturation by 10% instead.


 89, 11.491,
228.871


 89, 11.491,
228.871


 100, 11.491,
228.871


 79, 11.491,
228.871

 69, 11.491,
228.871

 59, 11.491,
228.871

 49, 11.491,
228.871

 39, 11.491,
228.871

 29, 11.491,
228.871

 19, 11.491,

228.871

■ 9, 11.491, 228.871

■ 0, 11.491, 228.871

■ 89, 11.491,
228.871

■ 89, 11.491,
228.871

■ 86, 17.693,
229.827

■ 92, 4.890, 228.178

■ 83, 23.407,
231.096

■ 96, 2.024, 47.188

■ 80, 28.540,
232.736

■ 98, 4.903, 78.521

■ 77, 33.013,
234.834

■ 99, 7.451, 107.673

■ 75, 36.780,

■ 100, 7.803,
109.584

237.485

■ 72, 39.846,
240.778

■ 70, 42.293,
244.773

■ 68, 44.299,
249.443

■ 67, 44.871,
250.835

Harmonies

Complementary

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



89, 11.491, 228.871



86, 12.742, 46.759

Rectangle

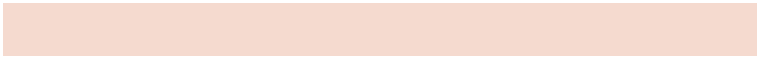
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



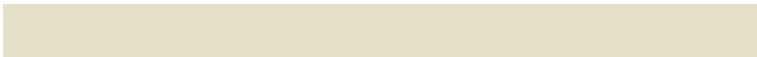
89, 11.491, 228.871



89, 11.491, 278.871



89, 11.491, 48.871



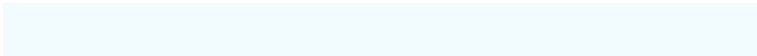
89, 11.491, 98.871

Sweetspot

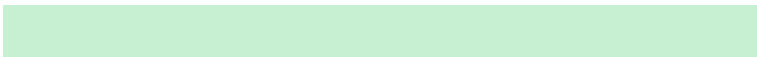
The Sweet Spot groups the original color and five complimentary colors.



89, 11.491, 228.861



98, 3.636, 228.094



91, 21.477, 151.745



52, 2.477, 228.117



0, 0.000, 0.000



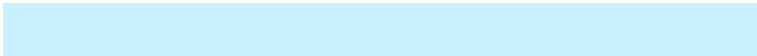
53, 0.007, 296.813

Same Dimension

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



89, 11.491, 228.861



93, 14.678, 229.211



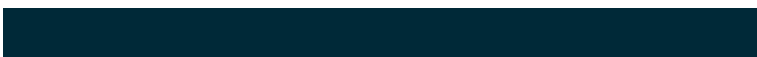
84, 16.819, 280.583



48, 3.890, 228.308



53, 36.535, 249.932



15, 15.309, 242.224

Inverse Universe

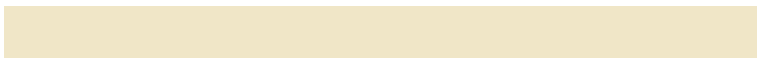
The Inverse Universe completely reimagines the original color for something new.



84, 21.581, 334.176



87, 27.907, 334.464



91, 16.583, 96.287



47, 7.137, 333.631



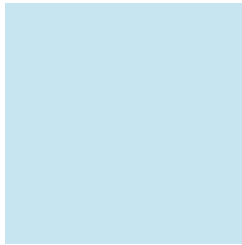
41, 73.656, 342.596



9, 33.002, 340.095

Previews

White Background



This preview shows how the CIE LCh color 89, 11.491, 228.871 looks on a white background.

Color Contrast Check

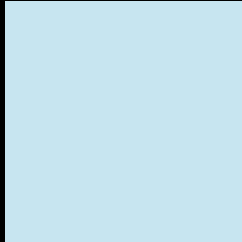
Large Text (above 18pt) WCAG AA × Fail

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, 11.491, 228.871 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

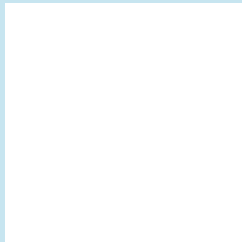
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.491, 228.871

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.491, 228.871.



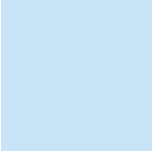
This preview shows how white text looks on a background with the CIELCh color 89, 11.491, 228.871.

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](#).

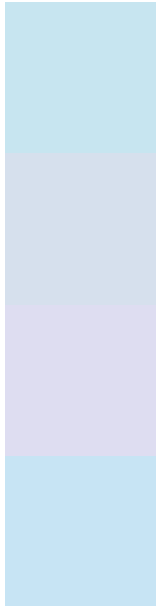
Dichromacy





Tritanopia
89, 13.040, 245.139

Trichromacy



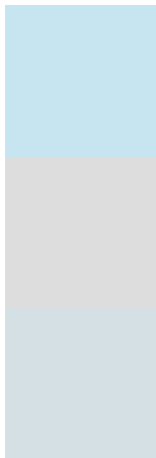
Original Color
89, 11.491, 228.871

Protanomaly
89, 7.542, 263.491

Deuteranomaly
89, 10.449, 292.931

Tritanomaly
89, 12.607, 240.493

Monochromacy



Original Color
89, 11.491, 228.871

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.355, 227.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.491, 228.871 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(199, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 229, 240)  
}
```

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(199, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 229, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.491, 228.871 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(199, 229, 240) }
```

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

```
.border{ border-color:rgb(199, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 229,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.491, 228.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 229, 240) }
```

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

```
.background{ background-color: rgb(199,  
229, 240) }
```

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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