

Converting Colors

CIELCh(89, 12.681, 197.688)

Have a look what the booklet for
CIELCh(89, 12.681, 197.688)
contains.

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Color

CIELCh(89, 12.680, 196.226)

Conversions

Conversions Part 1

Format	Color
Hex	C2E7E6
RGB	194, 231, 230
RGB Percent	76%, 91%, 90%
CMY	0.2401, 0.0950, 0.0989
CMYK	0.16, 0.00, 0.00, 0.09
HSL	178°, 43%, 83%
HSV	178°, 16%, 91%
XYZ	64.9537, 74.1641, 85.5869
YIQ	219.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

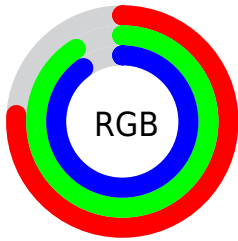
Format	Color
RYB	194, 213, 231
Decimal	12773350
CIELab	89.00, -12.17, -3.54
CIELCh	89, 12.680, 196.226
Yxy	74.1641, 0.2891, 0.3301
Android (android.graphics.Color)	4290963430 (0xFFC2E7E6)
YUV	219.8230, 5.0173, -22.6468
Hunter-Lab	86.1186, -16.0766, 1.3591

Details

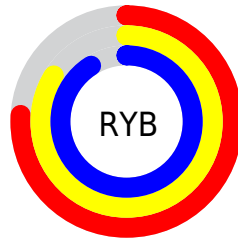
The CIELCh color **89, 12.680, 196.226** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81, 13.999, 18.327**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.389, 199.794**, and **69, 12.445, 198.410** is the 20% darker color. If you saturate the color by 10%, you get **88, 19.956, 195.625**, and if you desaturate by 10%, it is **91, 4.891, 196.899**.

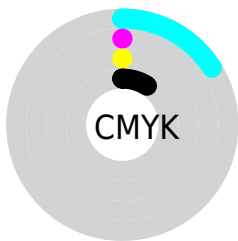
Distribution



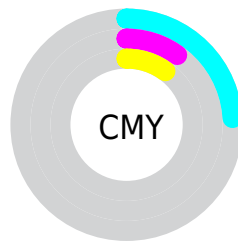
- Red (76%)
- Green (91%)
- Blue (90%)



- Red (76%)
- Yellow (84%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (24%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.680, 196.226 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, 12.680, 196.226 by changing the saturation by 10% instead.


 89, 12.680,
196.226


 89, 12.680,
196.226

 100, 12.680,
196.226


 79, 12.680,
196.226

 69, 12.680,
196.226

 59, 12.680,
196.226

 49, 12.680,
196.226

 39, 12.680,
196.226

 29, 12.680,
196.226

 19, 12.680,

196.226

■ 9, 12.680, 196.226

■ 0, 12.680, 196.226

■ 89, 12.680,
196.226

■ 89, 12.680,
196.226

■ 88, 19.956,
195.625

■ 91, 4.891, 196.899

■ 86, 26.583,
195.072

■ 92, 3.285, 17.215

■ 85, 32.427,
194.557

■ 93, 8.779, 17.025

■ 85, 37.371,
194.077

■ 94, 8.794, 14.940

■ 84, 41.329,

■ 94, 8.821, 12.864

■ 94, 8.859, 10.805

193.630

94, 8.909, 8.766

84, 44.262,
193.210

94, 8.971, 6.752

83, 46.191,
192.807

94, 9.043, 4.769

83, 47.216,
192.411

83, 47.476,
192.254

Harmonies

Complementary

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



89, 12.680, 196.226



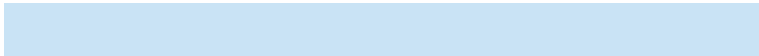
81, 13.999, 18.327

Rectangle

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



89, 12.680, 196.226



89, 12.680, 246.226



89, 12.680, 16.226



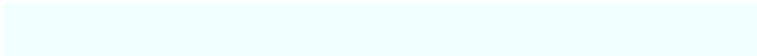
89, 12.680, 66.226

Sweetspot

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



89, 12.681, 196.219



99, 4.406, 196.986



88, 23.343, 142.605



53, 3.001, 196.924



0, 0.000, 0.000



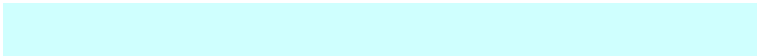
53, 0.007, 296.813

Same Dimension

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



89, 12.681, 196.219



97, 16.151, 196.031



85, 11.162, 253.913



47, 4.549, 196.645



66, 39.161, 192.321



18, 16.376, 192.936

Inverse Universe

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



81, 13.999, 18.327



87, 18.199, 18.625



86, 11.737, 69.797



45, 4.816, 17.741



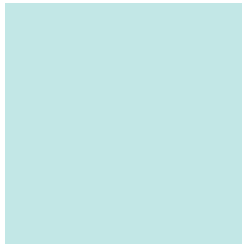
37, 78.784, 38.857



6, 27.015, 20.643

Previews

White Background



This preview shows how the CIE LCh color 89, 12.680, 196.226 looks on a white background.

Color Contrast Check

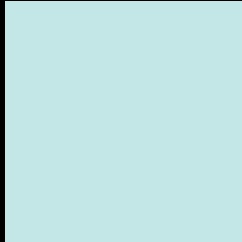
Large Text (above 18pt) WCAG AA × Fail

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, 12.680, 196.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

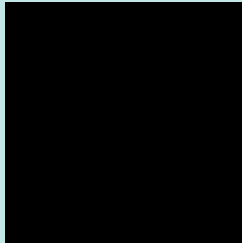
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

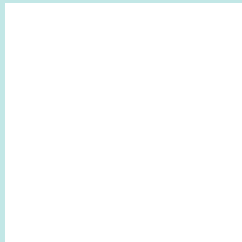
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.680, 196.226

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.680, 196.226.



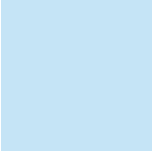
This preview shows how white text looks on a background with the CIELCh color 89, 12.680, 196.226.

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](#).

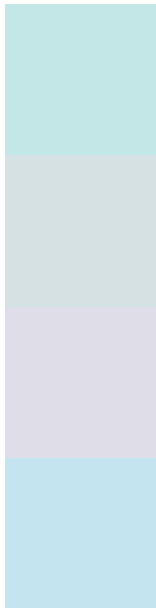
Dichromacy





Tritanopia
89, 13.721, 242.227

Trichromacy



Original Color
89, 12.680, 196.226

Protanomaly
89, 3.992, 214.446

Deuteranomaly
89, 5.798, 297.630

Tritanomaly
89, 12.337, 226.582

Monochromacy



Original Color
89, 12.680, 196.226

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.934, 199.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.680, 196.226 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(194, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(194, 231, 230)  
}
```

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(194, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 231, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.680, 196.226 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(194, 231, 230) }
```

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

```
.border{ border-color:rgb(194, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(194, 231,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.680, 196.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 231, 230) }
```

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

```
.background{ background-color: rgb(194,  
231, 230) }
```

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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