

Converting Colors

CIELCh(89, 8.712, 199.968)

Have a look what the booklet for
CIELCh(89, 8.712, 199.968) contains.

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Color

CIELCh(89, 9.008, 198.856)

Conversions

Conversions Part 1

Format	Color
Hex	CBE5E5
RGB	203, 229, 229
RGB Percent	80%, 90%, 90%
CMY	0.2051, 0.1031, 0.1032
CMYK	0.11, 0.00, 0.00, 0.10
HSL	180°, 33%, 85%
HSV	180°, 11%, 90%
XYZ	66.5822, 74.1641, 84.7110
YIQ	221.2260, -15.4960, -5.5120

Conversions

Conversions Part 2

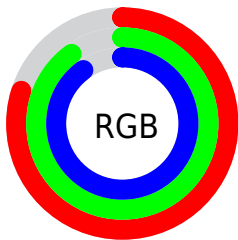
Format	Color
R _{YB}	203, 216, 229
Decimal	13362661
CIE Lab	89.00, -8.52, -2.91
CIE LCh	89, 9.008, 198.856
Yxy	74.1641, 0.2953, 0.3289
Android (android.graphics.Color)	4291552741 (0xFFCBE5E5)
YUV	221.2260, 3.8326, -15.9842
Hunter-Lab	86.1186, -12.7011, 1.9621

Details

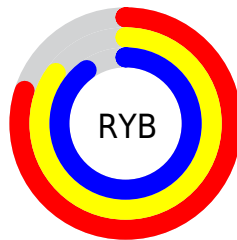
The CIELCh color **89, 9.008, 198.856** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 9.686, 20.078**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 9.049, 198.701** is the 20% darker color. If you saturate the color by 10%, you get **88, 16.435, 198.313**, and if you desaturate by 10%, it is **91, 1.109, 199.869**.

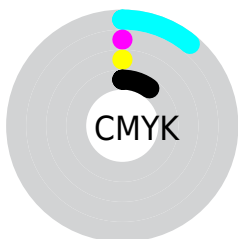
Distribution



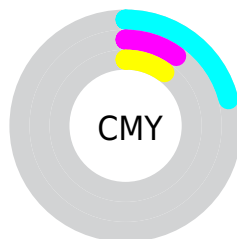
- Red (80%)
- Green (90%)
- Blue (90%)



- Red (80%)
- Yellow (85%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 9.008, 198.856 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, 9.008, 198.856 by changing the saturation by 10% instead.

■ 89, 9.008, 198.856

■ 89, 9.008, 198.856

■ 100, 9.008,
198.856

■ 79, 9.008, 198.856

■ 69, 9.008, 198.856

■ 59, 9.008, 198.856

■ 49, 9.008, 198.856

■ 39, 9.008, 198.856

■ 29, 9.008, 198.856

■ 19, 9.008, 198.856

■ 9, 9.008, 198.856

■ 0, 9.008, 198.856

89, 9.008, 198.856

89, 9.008, 198.856

88, 16.435,
198.313

91, 1.109, 199.869

86, 23.256,
197.849

92, 7.146, 19.807

85, 29.339,
197.446

93, 9.562, 19.992

84, 34.564,
197.106

93, 9.562, 19.984

84, 38.832,
196.832

93, 9.562, 19.975

83, 42.089,
196.625

93, 9.562, 19.966

83, 44.333,
196.484

93, 9.562, 19.958

83, 45.628,
196.402

93, 9.562, 19.949

93, 9.562, 19.941

■ 83, 46.160,
196.367

Harmonies

Complementary

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



89, 9.008, 198.856



84, 9.686, 20.078

Rectangle

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



89, 9.008, 198.856



89, 9.008, 248.856



89, 9.008, 18.856



89, 9.008, 68.856

Sweetspot

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



89, 9.009, 198.845



99, 2.650, 199.477



88, 16.482, 143.348



53, 2.005, 199.380



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, 9.009, 198.845



98, 12.029, 198.692



86, 7.985, 255.131



47, 4.537, 198.959



66, 38.350, 196.368



18, 16.093, 196.370

Inverse Universe

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



84, 9.686, 20.078



90, 13.171, 20.301



87, 8.235, 72.176



45, 4.817, 19.925



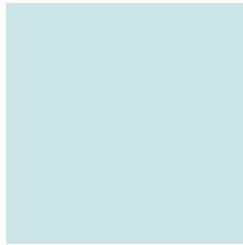
37, 79.979, 39.967



6, 27.104, 21.753

Previews

White Background



This preview shows how the CIELCh color 89, 9.008, 198.856 looks on a white background.

Color Contrast Check

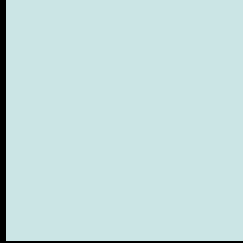
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 9.008, 198.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

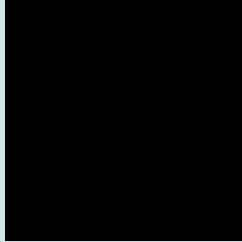
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

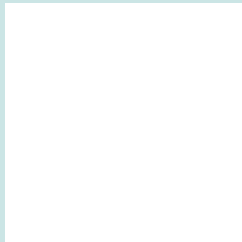
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 9.008, 198.856

Background



This preview shows how black text looks on a background with the CIELCh color 89, 9.008, 198.856.



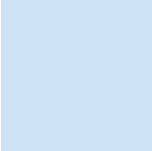
This preview shows how white text looks on a background with the CIELCh color 89, 9.008, 198.856.

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](#).

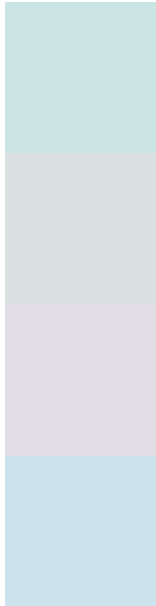
Dichromacy





Tritanopia
89, 11.599, 253.318

Trichromacy



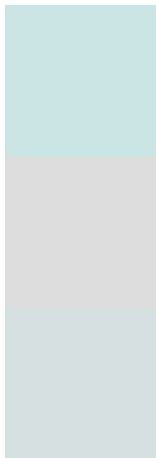
Original Color
89, 9.008, 198.856

Protanomaly
89, 2.354, 225.830

Deuteranomaly
89, 5.184, 314.794

Tritanomaly
89, 9.592, 235.832

Monochromacy



Original Color
89, 9.008, 198.856

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.539, 199.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 9.008, 198.856 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(203, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 229, 229)  
}
```

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(203, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 229, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 9.008, 198.856 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(203, 229, 229) }
```

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

```
.border{ border-color:rgb(203, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(203, 229,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 9.008, 198.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 229, 229) }
```

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

```
.background{ background-color: rgb(203,  
229, 229) }
```

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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