

Converting Colors

CIELCh(89, 9.401, 189.794)

Have a look what the booklet for
CIELCh(89, 9.401, 189.794) contains.

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Color

CIELCh(89, 9.559, 189.375)

Conversions

Conversions Part 1

Format	Color
Hex	CAE5E2
RGB	202, 229, 226
RGB Percent	79%, 90%, 89%
CMY	0.2074, 0.1015, 0.1133
CMYK	0.12, 0.00, 0.01, 0.10
HSL	173°, 34%, 85%
HSV	173°, 12%, 90%
XYZ	66.1752, 74.1641, 82.8538
YIQ	220.5850, -15.1290, -6.6570

Conversions

Conversions Part 2

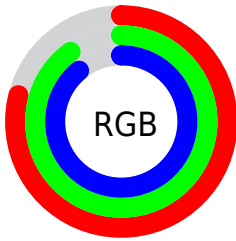
Format	Color
R _Y B	202, 216, 229
Decimal	13297122
CIE Lab	89.00, -9.43, -1.56
CIE LCh	89, 9.559, 189.375
Yxy	74.1641, 0.2965, 0.3323
Android (android.graphics.Color)	4291487202 (0xFFCAE5E2)
YUV	220.5850, 2.6696, -16.2990
Hunter-Lab	86.1186, -13.5448, 3.2407

Details

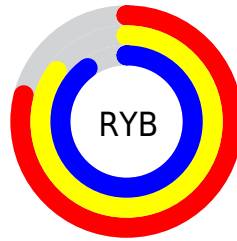
The CIELCh color **89, 9.559, 189.375** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 10.146, 11.213**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 9.647, 188.776** is the 20% darker color. If you saturate the color by 10%, you get **88, 17.273, 188.530**, and if you desaturate by 10%, it is **91, 1.472, 190.498**.

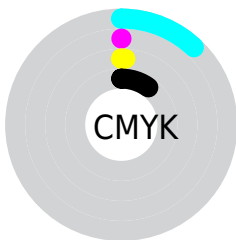
Distribution



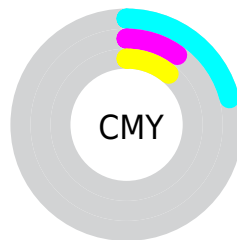
- Red (79%)
- Green (90%)
- Blue (89%)



- Red (79%)
- Yellow (85%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 9.559, 189.375 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, 9.559, 189.375 by changing the saturation by 10% instead.



89, 9.559, 189.375

89, 9.559, 189.375

88, 17.273,
188.530

91, 1.472, 190.498

86, 24.478,
187.693

92, 6.873, 10.791

85, 31.035,
186.836

93, 9.646, 5.735

84, 36.808,
185.944

93, 10.024,
358.451

83, 41.684,
185.004

93, 10.555,
351.807

83, 45.585,
183.999

93, 11.217,
345.882

82, 48.488,
182.907

93, 11.989,
340.681

82, 50.444,
181.712

93, 12.850,
336.155

94, 13.784,

■ 82, 51.510,
180.663

332.234

Harmonies

Complementary

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



89, 9.559, 189.375



84, 10.146, 11.213

Rectangle

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



89, 9.559, 189.375



89, 9.559, 239.375



89, 9.559, 9.375



89, 9.559, 59.375

Sweetspot

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



89, 9.560, 189.366



99, 3.587, 190.099



89, 16.574, 140.648



53, 2.546, 190.011



0, 0.000, 0.000



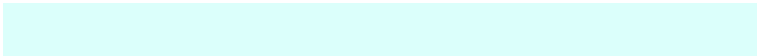
53, 0.007, 296.813

Same Dimension

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



89, 9.560, 189.366



97, 12.328, 189.172



86, 7.820, 243.223



47, 4.634, 189.567



65, 42.648, 180.889



18, 17.554, 183.062

Inverse Universe

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



84, 10.146, 11.213



91, 13.242, 11.451



86, 8.231, 60.669



45, 4.859, 10.977



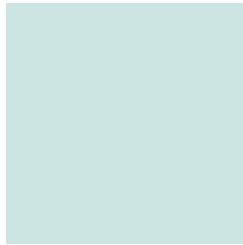
37, 75.260, 35.132



6, 26.796, 17.147

Previews

White Background



This preview shows how the CIELCh color 89, 9.559, 189.375 looks on a white background.

Color Contrast Check

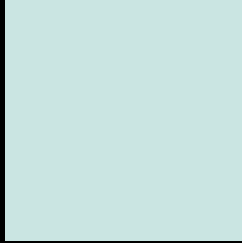
Large Text (above 18pt) WCAG AA × Fail

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, 9.559, 189.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

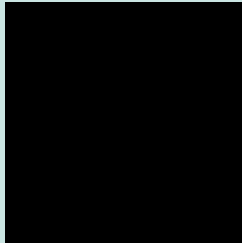
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

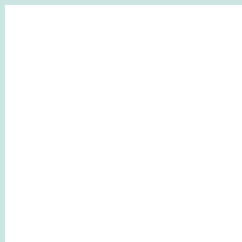
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 9.559, 189.375

Background



This preview shows how black text looks on a background with the CIELCh color 89, 9.559, 189.375.



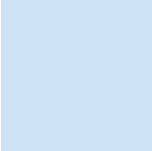
This preview shows how white text looks on a background with the CIELCh color 89, 9.559, 189.375.

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](#).

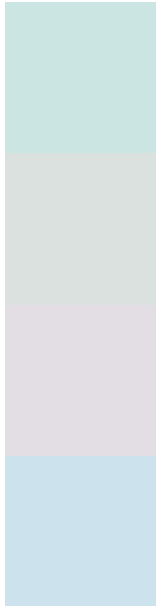
Dichromacy





Tritanopia
89, 11.599, 253.318

Trichromacy



Original Color
89, 9.559, 189.375

Protanomaly
89, 2.711, 176.869

Deuteranomaly
89, 4.258, 320.576

Tritanomaly
89, 9.315, 233.128

Monochromacy



Original Color
89, 9.559, 189.375

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.591, 190.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 9.559, 189.375 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(202, 229, 226)` looks like.

```
.text, #text, p{  
    color:rgb(202, 229, 226)  
}
```

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(202, 229, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 229, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 9.559, 189.375 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(202, 229, 226) }
```

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

```
.border{ border-color:rgb(202, 229, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 229, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 229, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 229, 226); box-shadow:4px 4px 4px 4px rgb(202, 229, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 9.559, 189.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 229, 226) }
```

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

```
.background{ background-color: rgb(202,  
229, 226) }
```

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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