

# Converting Colors

CIELCh(88, 8.054, 211.322)

Have a look what the booklet for  
CIELCh(88, 8.054, 211.322) contains.

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# **Color**

**CIELCh(88, 8.091, 210.139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAE1E4
RGB	202, 225, 228
RGB Percent	79%, 88%, 89%
CMY	0.2075, 0.1173, 0.1056
CMYK	0.11, 0.01, 0.00, 0.11
HSL	187°, 33%, 84%
HSV	187°, 11%, 89%
XYZ	65.3382, 72.0653, 83.9219
YIQ	218.4650, -14.6710, -3.9430

# Conversions

## Conversions Part 2

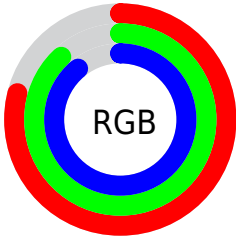
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 214, 228
Decimal	13296100
CIE Lab	88.00, -7.00, -4.06
CIE LCh	88, 8.091, 210.139
Yxy	72.0653, 0.2952, 0.3256
Android (android.graphics.Color)	4291486180 (0xFFCAE1E4)
YUV	218.4650, 4.7008, -14.4398
Hunter-Lab	84.8913, -11.1737, 0.8109

# Details

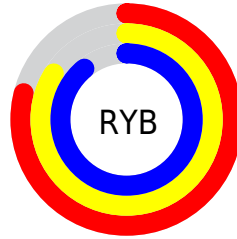
The CIELCh color **88, 8.091, 210.139** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 8.720, 30.334**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 8.097, 210.624** is the 20% darker color. If you saturate the color by 10%, you get **86, 14.731, 210.101**, and if you desaturate by 10%, it is **90, 1.020, 210.742**.

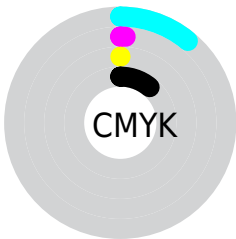
# Distribution



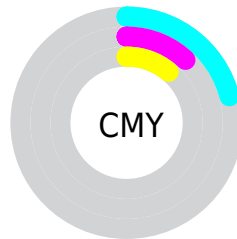
- Red (79%)
- Green (88%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 8.091, 210.139 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 88, 8.091, 210.139 by changing the saturation by 10% instead.



 88, 8.091, 210.139

 88, 8.091, 210.139

 100, 8.091,  
210.139

 78, 8.091, 210.139

 68, 8.091, 210.139

 58, 8.091, 210.139

 48, 8.091, 210.139

 38, 8.091, 210.139

 28, 8.091, 210.139

 18, 8.091, 210.139

 8, 8.091, 210.139

 0, 8.091, 210.139

88, 8.091, 210.139

88, 8.091, 210.139

86, 14.731,  
210.101

90, 1.020, 210.742

84, 20.823,  
210.226

93, 6.384, 30.213

82, 26.250,  
210.518

94, 8.397, 37.190

80, 30.895,  
211.009

95, 8.035, 48.330

79, 34.658,  
211.742

95, 8.001, 60.013

78, 37.475,  
212.763

96, 8.297, 71.301

76, 39.331,  
214.120

97, 8.888, 81.426

75, 40.287,  
215.856

97, 9.719, 90.031

98, 10.733, 97.124

■ 75, 40.565,  
217.629

# Harmonies

# Complementary

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



88, 8.091, 210.139



84, 8.720, 30.334

# Rectangle

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



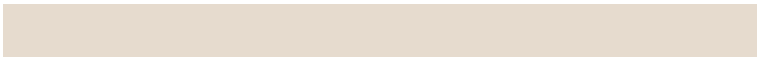
88, 8.091, 210.139



88, 8.091, 260.139



88, 8.091, 30.139



88, 8.091, 80.139

# Sweetspot

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



88, 8.092, 210.125



99, 2.382, 210.400



88, 15.478, 146.580



53, 1.802, 210.332



0, 0.000, 0.000



53, 0.007, 296.813



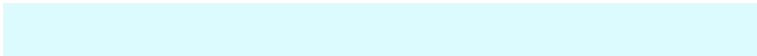


# Same Dimension

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



88, 8.092, 210.125



97, 10.795, 210.103



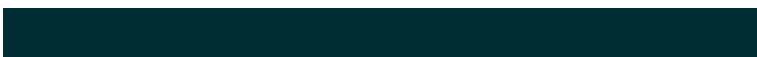
85, 8.895, 267.007



47, 4.073, 210.151



60, 33.807, 217.247



16, 14.362, 213.644



# Inverse Universe

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



84, 15.343, 328.387



91, 20.654, 328.550



87, 8.990, 83.933



45, 7.674, 328.268



41, 80.806, 333.411

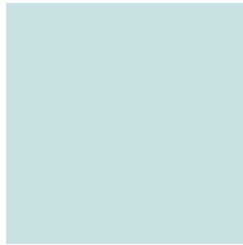


8, 34.382, 332.526



# Previews

## White Background



This preview shows how the CIELCh color 88, 8.091, 210.139 looks on a white background.

## Color Contrast Check

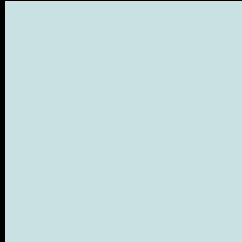
Large Text (above 18pt) WCAG AA × Fail

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 88, 8.091, 210.139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

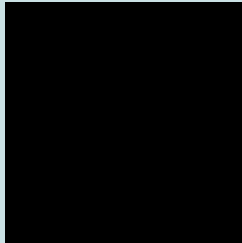
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

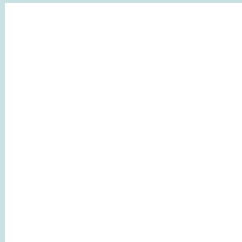
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 8.091, 210.139

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 8.091, 210.139.

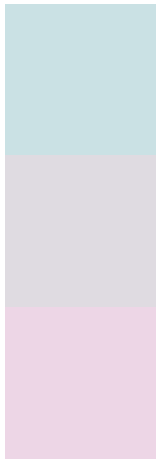


This preview shows how white text looks on a background with the CIELCh color 88, 8.091, 210.139.

# 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**  
88, 8.091, 210.139

**Protanopia**  
88, 3.468, 314.725

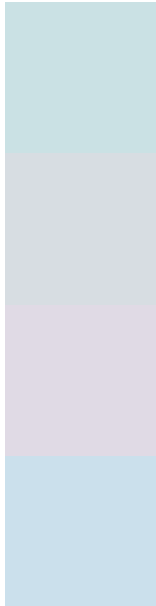
**Deuteranopia**  
88, 11.772, 335.099





**Tritanopia**  
88, 11.251, 256.074

# Trichromacy



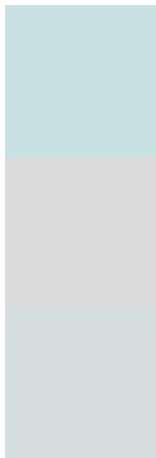
**Original Color**  
88, 8.091, 210.139

**Protanomaly**  
88, 3.338, 251.050

**Deuteranomaly**  
88, 6.163, 310.821

**Tritanomaly**  
88, 9.405, 240.983

# Monochromacy



**Original Color**  
88, 8.091, 210.139

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
88, 2.879, 209.882

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 8.091, 210.139 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, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(202, 225, 228)  
}
```

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, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 225, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 8.091, 210.139 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, 225, 228) }
```

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

```
.border{ border-color:rgb(202, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 225, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 225, 228);  
box-shadow:4px 4px 4px 4px rgb(202, 225,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 8.091, 210.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 225, 228) }
```

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

```
.background{ background-color: rgb(202,  
225, 228) }
```

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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