

Converting Colors

CIELCh(89, 8.746, 210.007)

Have a look what the booklet for
CIELCh(89, 8.746, 210.007) contains.

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Color

CIELCh(89, 8.733, 209.241)

Conversions

Conversions Part 1

Format	Color
Hex	CBE4E7
RGB	203, 228, 231
RGB Percent	80%, 89%, 91%
CMY	0.2028, 0.1048, 0.0930
CMYK	0.12, 0.01, 0.00, 0.09
HSL	186°, 37%, 85%
HSV	186°, 12%, 91%
XYZ	66.9898, 74.1641, 86.5963
YIQ	220.8670, -15.8630, -4.3670

Conversions

Conversions Part 2

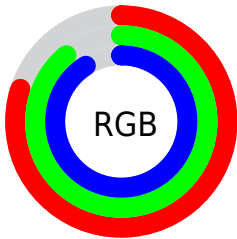
Format	Color
R _Y B	203, 216, 231
Decimal	13362407
CIE Lab	89.00, -7.62, -4.27
CIE LCh	89, 8.733, 209.241
Yxy	74.1641, 0.2941, 0.3256
Android (android.graphics.Color)	4291552487 (0xFFCBE4E7)
YUV	220.8670, 4.9956, -15.6694
Hunter-Lab	86.1186, -11.8562, 0.6641

Details

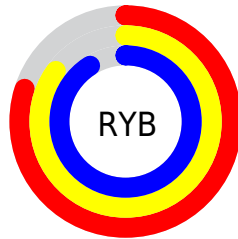
The CIELCh color **89, 8.733, 209.241** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 9.459, 29.557**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 8.706, 206.021** is the 20% darker color. If you saturate the color by 10%, you get **87, 15.457, 209.173**, and if you desaturate by 10%, it is **91, 1.560, 209.676**.

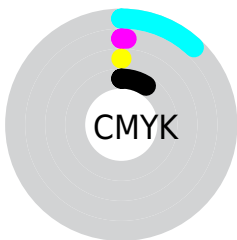
Distribution



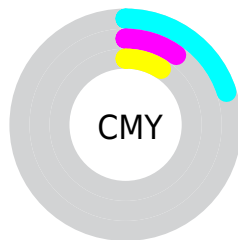
- Red (80%)
- Green (89%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.733, 209.241 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, 8.733, 209.241 by changing the saturation by 10% instead.

89, 8.733, 209.241

89, 8.733, 209.241

100, 8.733,
209.241

79, 8.733, 209.241

69, 8.733, 209.241

59, 8.733, 209.241

49, 8.733, 209.241

39, 8.733, 209.241

29, 8.733, 209.241

19, 8.733, 209.241

9, 8.733, 209.241

0, 8.733, 209.241

89, 8.733, 209.241

89, 8.733, 209.241

87, 15.457,
209.173

91, 1.560, 209.676

85, 21.613,
209.261

94, 5.958, 29.372

83, 27.081,
209.509

95, 7.335, 37.745

82, 31.741,
209.947

95, 7.024, 49.799

80, 35.495,
210.616

96, 7.047, 62.335

79, 38.280,
211.558

97, 7.398, 74.206

78, 40.087,
212.816

97, 8.032, 84.578

77, 40.980,
214.430

98, 8.889, 93.171

98, 9.908, 100.105

■ 76, 41.205,
215.929

Harmonies

Complementary

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



89, 8.733, 209.241



85, 9.459, 29.557

Rectangle

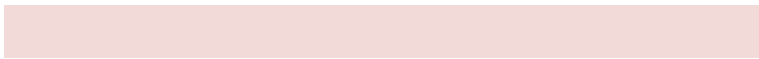
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 8.733, 209.241



89, 8.733, 259.241



89, 8.733, 29.241



89, 8.733, 79.241

Sweetspot

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



89, 8.734, 209.228



99, 3.189, 209.458



89, 16.634, 146.530



53, 2.262, 209.415



0, 0.000, 0.000



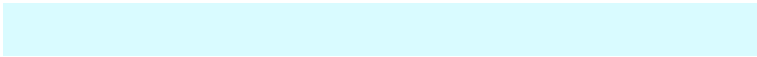
53, 0.007, 296.813

Same Dimension

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



89, 8.734, 209.228



96, 11.610, 209.196



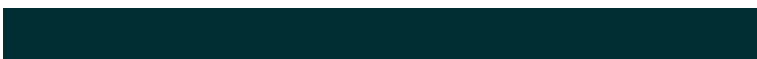
85, 9.557, 267.113



47, 4.101, 209.271



60, 33.986, 215.561



16, 14.444, 212.263

Inverse Universe

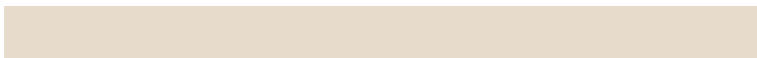
The Inverse Universe completely reimagines the original color for something new.



85, 16.583, 328.173



91, 22.267, 328.353



88, 9.669, 83.841



45, 7.718, 328.012



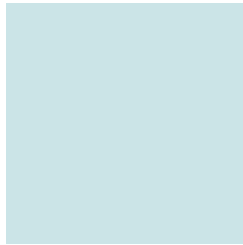
41, 81.326, 332.997



8, 34.570, 332.188

Previews

White Background



This preview shows how the CIELCh color 89, 8.733, 209.241 looks on a white background.

Color Contrast Check

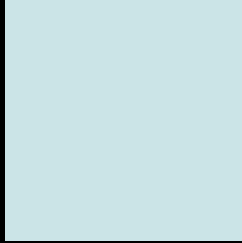
Large Text (above 18pt) WCAG AA × Fail

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, 8.733, 209.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

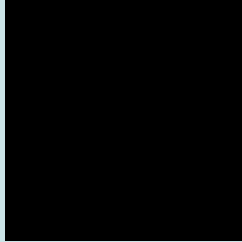
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

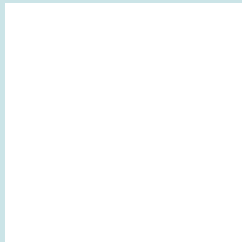
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.733, 209.241

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.733, 209.241.



This preview shows how white text looks on a background with the CIELCh color 89, 8.733, 209.241.

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](#).

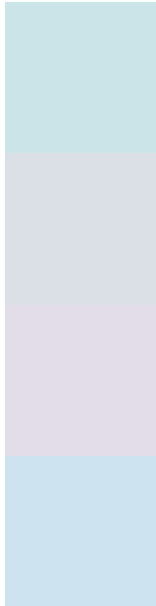
Dichromacy





Tritanopia
89, 11.410, 254.659

Trichromacy



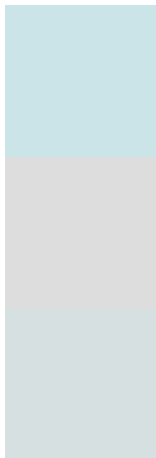
Original Color
89, 8.733, 209.241

Protanomaly
89, 3.330, 251.044

Deuteranomaly
89, 6.638, 309.275

Tritanomaly
89, 9.635, 239.638

Monochromacy



Original Color
89, 8.733, 209.241

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 3.217, 208.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.733, 209.241 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, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(203, 228, 231)  
}
```

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, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 228, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.733, 209.241 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, 228, 231) }
```

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

```
.border{ border-color:rgb(203, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(203, 228,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.733, 209.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 228, 231) }
```

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

```
.background{ background-color: rgb(203,  
228, 231) }
```

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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