

Converting Colors

CIE LCh(88, 8.132, 195.496)

Have a look what the booklet for
CIELCh(88, 8.132, 195.496) contains.

CIELCh(88, 8.063, 195.194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 8.063, 195.194)

Conversions

Conversions Part 1

Format	Color
Hex	CAE1E0
RGB	202, 225, 224
RGB Percent	79%, 88%, 88%
CMY	0.2064, 0.1161, 0.1201
CMYK	0.10, 0.00, 0.00, 0.12
HSL	177°, 28%, 84%
HSV	177°, 10%, 88%
XYZ	64.9906, 72.0653, 81.2739
YIQ	218.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

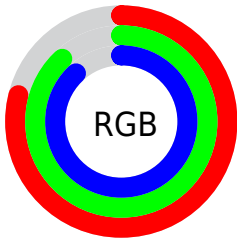
Format	Color
R_{YB}	202, 214, 225
Decimal	13296096
CIE _{Lab}	88.00, -7.78, -2.11
CIE _{LCh}	88, 8.063, 195.194
Yxy	72.0653, 0.2977, 0.3301
Android (android.graphics.Color)	4291486176 (0xFFCAE1E0)
YUV	218.0090, 2.9536, -14.0399
Hunter-Lab	84.8913, -11.9047, 2.6603

Details

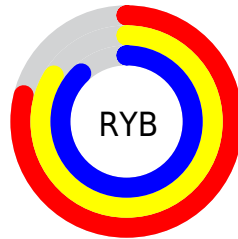
The CIELCh color `88, 8.063, 195.194` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 8.559, 16.471`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 8.081, 194.849` is the 20% darker color. If you saturate the color by 10%, you get `87, 15.548, 194.505`, and if you desaturate by 10%, it is `90, 0.167, 199.343`.

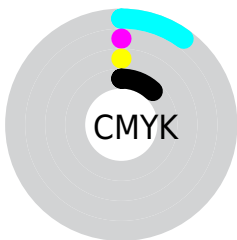
Distribution



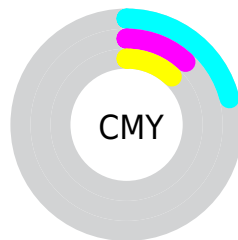
- Red (79%)
- Green (88%)
- Blue (88%)



- Red (79%)
- Yellow (84%)
- Blue (88%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 8.063, 195.194 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, 8.063, 195.194 by changing the saturation by 10% instead.

 88, 8.063, 195.194

 88, 8.063, 195.194

 100, 8.063,
195.194

 78, 8.063, 195.194

 68, 8.063, 195.194

 58, 8.063, 195.194

 48, 8.063, 195.194

 38, 8.063, 195.194

 28, 8.063, 195.194

 18, 8.063, 195.194

 8, 8.063, 195.194

 0, 8.063, 195.194

88, 8.063, 195.194

88, 8.063, 195.194

87, 15.548,
194.505

90, 0.167, 199.343

85, 22.488,
193.872

91, 8.028, 16.360

84, 28.751,
193.264

92, 10.837, 14.833

83, 34.211,
192.678

92, 10.946, 9.557

83, 38.758,
192.109

92, 11.035, 6.969

82, 42.322,
191.549

92, 11.148, 4.430

82, 44.885,
190.988

92, 11.282, 1.947
92, 11.438,
359.527

81, 46.492,
190.414

■ 81, 47.335,
189.833

Harmonies

Complementary

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



88, 8.063, 195.194



83, 8.559, 16.471

Rectangle

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



88, 8.063, 195.194



88, 8.063, 245.194



88, 8.063, 15.194



88, 8.063, 65.194

Sweetspot

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



88, 8.064, 195.182



99, 2.659, 195.825



88, 14.460, 142.551



53, 2.013, 195.720



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, 8.064, 195.182



98, 10.430, 195.049



85, 6.929, 251.147



46, 4.477, 195.238



65, 39.313, 189.935



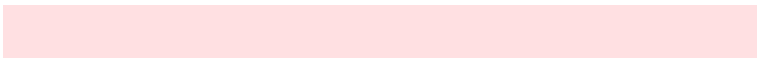
17, 16.046, 190.953

Inverse Universe

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



83, 8.559, 16.471



92, 11.197, 16.640



86, 7.159, 68.590



44, 4.730, 16.402



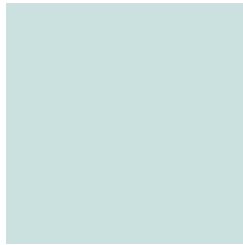
36, 77.246, 38.165



6, 25.441, 19.107

Previews

White Background



This preview shows how the CIELCh color 88, 8.063, 195.194 looks on a white background.

Color Contrast Check

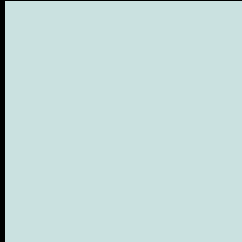
Large Text (above 18pt) WCAG AA × Fail

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, 8.063, 195.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

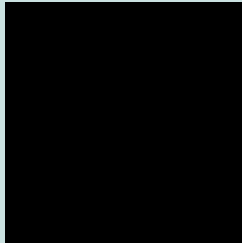
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

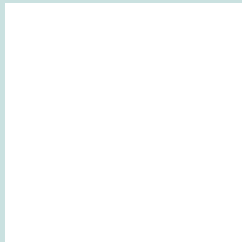
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 8.063, 195.194

Background



This preview shows how black text looks on a background with the CIELCh color 88, 8.063, 195.194.

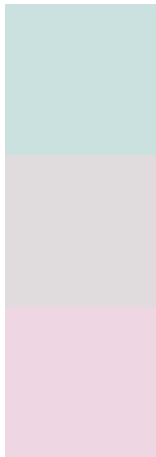


This preview shows how white text looks on a background with the CIELCh color 88, 8.063, 195.194.

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, 8.063, 195.194

Protanopia

88, 2.095, 349.382

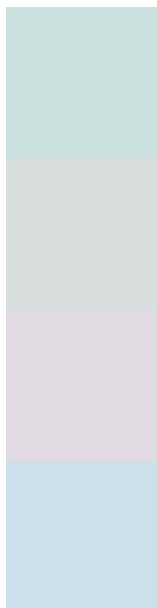
Deuteranopia

88, 11.305, 343.417



Tritanopia
88, 11.073, 257.511

Trichromacy



Original Color
88, 8.063, 195.194

Protanomaly
88, 1.849, 216.029

Deuteranomaly
88, 5.096, 324.581

Tritanomaly
88, 8.834, 239.764

Monochromacy



Original Color
88, 8.063, 195.194

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.251, 190.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 8.063, 195.194 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(202, 225, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 225, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 8.063, 195.194 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, 224) }
```

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

```
.border{ border-color:rgb(202, 225, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(202, 225,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 8.063, 195.194 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, 224) }
```

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

```
.background{ background-color: rgb(202,  
225, 224) }
```

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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