

Converting Colors

CIELCh(87, 28.664, 168.858)

Have a look what the booklet for
CIELCh(87, 28.664, 168.858)
contains.

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Color

CIELCh(87, 28.912, 168.183)

Conversions

Conversions Part 1

Format	Color
Hex	A0E9CE
RGB	160, 233, 206
RGB Percent	63%, 91%, 81%
CMY	0.3736, 0.0874, 0.1932
CMYK	0.31, 0.00, 0.12, 0.09
HSL	158°, 62%, 77%
HSV	158°, 31%, 91%
XYZ	54.6088, 70.0064, 68.8523
YIQ	208.0950, -34.8410, -23.8730

Conversions

Conversions Part 2

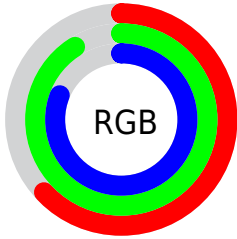
Format	Color
RYB	160, 205, 233
Decimal	10545614
CIELab	87.00, -28.30, 5.92
CIELCh	87, 28.912, 168.183
Yxy	70.0064, 0.2823, 0.3619
Android (android.graphics.Color)	4288735694 (0xFFA0E9CE)
YUV	208.0950, -1.0328, -42.1793
Hunter-Lab	83.6698, -29.9205, 9.7788

Details

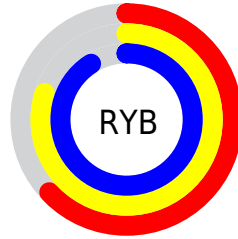
The CIELCh color **87, 28.912, 168.183** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73, 31.039, 354.692**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.092, 198.632**, and **67, 28.787, 168.349** is the 20% darker color. If you saturate the color by 10%, you get **86, 37.465, 166.963**, and if you desaturate by 10%, it is **88, 19.933, 169.287**.

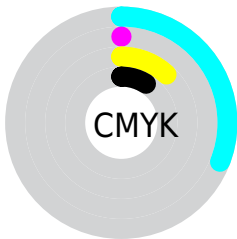
Distribution



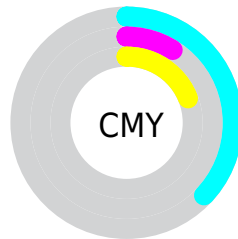
- Red (63%)
- Green (91%)
- Blue (81%)



- Red (63%)
- Yellow (80%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (37%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.912, 168.183 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 87, 28.912, 168.183 by changing the saturation by 10% instead.

 87, 28.912,
168.183

 87, 28.912,
168.183


 100, 28.912,
168.183


 77, 28.912,
168.183

 67, 28.912,
168.183

 57, 28.912,
168.183

 47, 28.912,
168.183


 37, 28.912,
168.183


 27, 28.912,
168.183


 17, 28.912,


168.183

 7, 28.912, 168.183


 0, 28.912, 168.183


 87, 28.912,
168.183


 87, 28.912,
168.183

 86, 37.465,
166.963


 88, 19.933,
169.287

 85, 45.429,
165.606


 90, 10.678,
170.311

 84, 52.652,
164.085

 92, 1.281, 171.582

 83, 59.015,
162.374

 94, 8.145, 351.978

 94, 11.434,
334.048

 83, 64.451,

160.456

95, 13.911,
324.903

82, 68.976,
158.327

82, 72.306,
156.376

Harmonies

Complementary

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



87, 28.912, 168.183



73, 31.039, 354.692

Rectangle

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



87, 28.912, 168.183



87, 28.912, 218.183



87, 28.912, 348.183



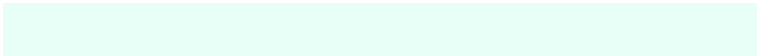
87, 28.912, 38.183

Sweetspot

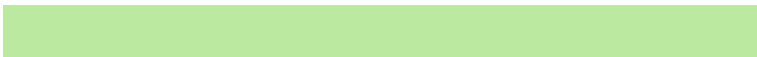
The Sweet Spot groups the original color and five complimentary colors.



87, 28.913, 168.181



98, 9.115, 170.544



88, 41.283, 131.587



52, 6.330, 170.397



0, 0.000, 0.000



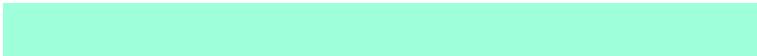
53, 0.007, 296.813

Same Dimension

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



87, 28.913, 168.181



93, 37.298, 167.363



85, 21.119, 210.394



48, 5.376, 170.501



65, 59.487, 156.777



19, 23.844, 160.661

Inverse Universe

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



73, 31.039, 354.692



76, 40.665, 355.675



75, 26.479, 31.410



46, 5.493, 352.134



38, 66.011, 14.496



7, 27.870, 4.971

Previews

White Background



This preview shows how the CIE LCh color 87, 28.912, 168.183 looks on a white background.

Color Contrast Check

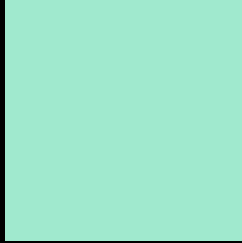
Large Text (above 18pt) WCAG AA × Fail

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 87, 28.912, 168.183 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 87, 28.912, 168.183

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.912, 168.183.

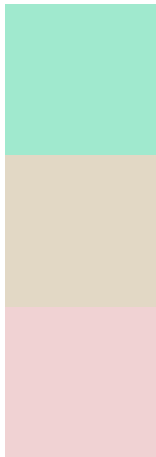


This preview shows how white text looks on a background with the CIELCh color 87, 28.912, 168.183.

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
87, 28.912, 168.183

Protanopia
87, 10.588, 88.556

Deuteranopia
87, 11.120, 17.508

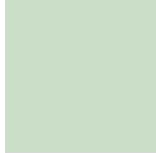


Tritanopia
87, 20.705, 225.575

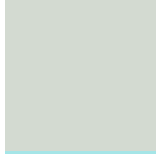
Trichromacy



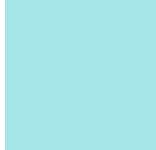
Original Color
87, 28.912, 168.183



Protanomaly
86, 13.680, 141.467



Deuteranomaly
86, 5.368, 138.003

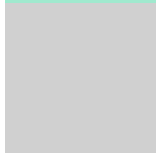


Tritanomaly
87, 20.923, 200.921

Monochromacy



Original Color
87, 28.912, 168.183



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 11.043, 170.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.912, 168.183 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(160, 233, 206)` looks like.

```
.text, #text, p{  
    color:rgb(160, 233, 206)  
}
```

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(160, 233, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 233, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.912, 168.183 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(160, 233, 206) }
```

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

```
.border{ border-color:rgb(160, 233, 206) }
```

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

Here you see how a box with a 4 pixel rgb(160, 233, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 233, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 233, 206);  
box-shadow:4px 4px 4px 4px rgb(160, 233,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.912, 168.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 233, 206) }
```

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

```
.background{ background-color: rgb(160,  
233, 206) }
```

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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