

Converting Colors

CIELCh(89, 30.283, 158.602)

Have a look what the booklet for
CIELCh(89, 30.283, 158.602)
contains.

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Color

CIELCh(89, 29.951, 158.798)

Conversions

Conversions Part 1

Format	Color
Hex	ACEECA
RGB	172, 238, 202
RGB Percent	67%, 93%, 79%
CMY	0.3256, 0.0668, 0.2079
CMYK	0.28, 0.00, 0.15, 0.07
HSL	147°, 66%, 80%
HSV	147°, 28%, 93%
XYZ	58.2318, 74.1641, 67.1070
YIQ	214.1620, -27.7800, -25.1880

Conversions

Conversions Part 2

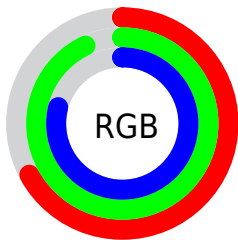
Format	Color
RYB	172, 217, 238
Decimal	11333322
CIELab	89.00, -27.92, 10.83
CIELCh	89, 29.951, 158.798
Yxy	74.1641, 0.2919, 0.3717
Android (android.graphics.Color)	4289523402 (0xFFACEECA)
YUV	214.1620, -5.9959, -36.9761
Hunter-Lab	86.1186, -30.0091, 14.0819

Details

The CIELCh color **89, 29.951, 158.798** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 30.780, 343.709**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **69, 30.037, 158.737** is the 20% darker color. If you saturate the color by 10%, you get **88, 40.410, 157.669**, and if you desaturate by 10%, it is **91, 19.220, 159.798**.

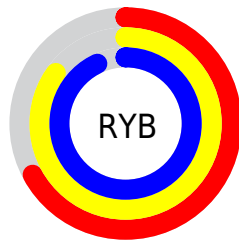
Distribution



Red (67%)

Green (93%)

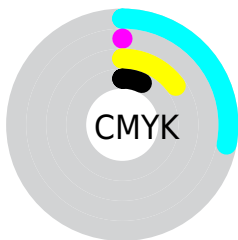
Blue (79%)



Red (67%)

Yellow (85%)

Blue (93%)

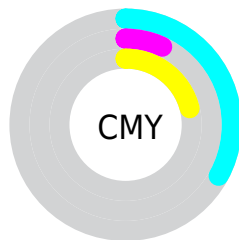


Cyan (28%)

Magenta (0%)

Yellow (15%)

Black (7%)



Cyan (33%)

Magenta (7%)

Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 29.951, 158.798 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, 29.951, 158.798 by changing the saturation by 10% instead.


 89, 29.951,
158.798

 89, 29.951,
158.798


 100, 29.951,
158.798


 79, 29.951,
158.798

 69, 29.951,
158.798

 59, 29.951,
158.798

 49, 29.951,
158.798

 39, 29.951,
158.798


 29, 29.951,
158.798

 19, 29.951,

158.798


 9, 29.951, 158.798

 0, 29.951, 158.798

 89, 29.951,
158.798


 89, 29.951,
158.798

 88, 40.410,
157.669

 91, 19.220,
159.798


 86, 50.409,
156.388

 93, 8.374, 160.712


 85, 59.760,
154.929

 95, 2.453, 341.271

 84, 68.287,
153.269

 96, 10.158,
326.575

 84, 75.856,

 96, 10.616,
324.782

151.396

■ 83, 82.408,
149.316

■ 83, 87.991,
147.077

■ 83, 89.177,
146.582

Harmonies

Complementary

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



89, 29.951, 158.798



77, 30.780, 343.709

Rectangle

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



89, 29.951, 158.798



89, 29.951, 208.798



89, 29.951, 338.798



89, 29.951, 28.798

Sweetspot

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



89, 29.953, 158.797



98, 9.161, 160.685



91, 35.624, 125.962



52, 6.513, 160.550



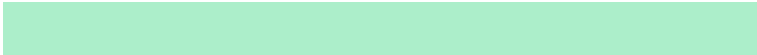
0, 0.000, 0.000



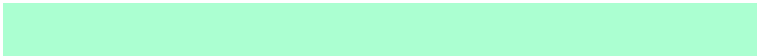
53, 0.007, 296.813

Same Dimension

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



89, 29.953, 158.797



94, 37.546, 158.207



90, 21.803, 193.444



49, 6.191, 160.555



66, 72.789, 146.985



20, 29.413, 150.730

Inverse Universe

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



77, 30.780, 343.709



79, 38.757, 344.276



77, 25.877, 17.820



47, 6.256, 342.001



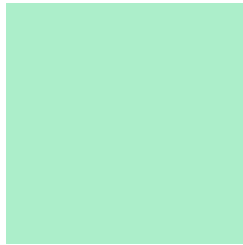
40, 66.915, 357.732



8, 29.927, 352.145

Previews

White Background



This preview shows how the CIELCh color 89, 29.951, 158.798 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, 29.951, 158.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

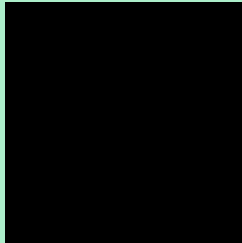
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

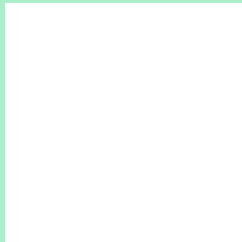
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 29.951, 158.798

Background



This preview shows how black text looks on a background with the CIELCh color 89, 29.951, 158.798.




This preview shows how white text looks on a background with the CIELCh color 89, 29.951, 158.798.

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



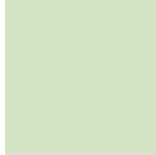


Tritanopia
89, 18.605, 230.870

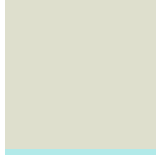
Trichromacy



Original Color
89, 29.951, 158.798



Protanomaly
89, 17.298, 130.155



Deuteranomaly
88, 9.357, 111.654

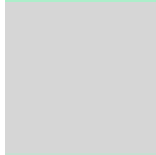


Tritanomaly
89, 18.649, 196.578

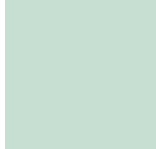
Monochromacy



Original Color
89, 29.951, 158.798



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 11.031, 160.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 29.951, 158.798 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(172, 238, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 238, 202)  
}
```

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(172, 238, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 238, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 29.951, 158.798 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(172, 238, 202) }
```

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

```
.border{ border-color:rgb(172, 238, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 238, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 238, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 238, 202); box-shadow:4px 4px 4px 4px rgb(172, 238, 202) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 29.951, 158.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 238, 202) }
```

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

```
.background{ background-color: rgb(172,  
238, 202) }
```

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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