

Converting Colors

CIELCh(89, 33.115, 163.115)

Have a look what the booklet for
CIELCh(89, 33.115, 163.115)
contains.

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Color

CIELCh(89, 33.196, 162.894)

Conversions

Conversions Part 1

Format	Color
Hex	A1F0CC
RGB	161, 240, 204
RGB Percent	63%, 94%, 80%
CMY	0.3691, 0.0593, 0.2005
CMYK	0.33, 0.00, 0.15, 0.06
HSL	153°, 72%, 79%
HSV	153°, 33%, 94%
XYZ	56.6810, 74.1641, 68.3779
YIQ	212.2750, -35.5280, -27.9440

Conversions

Conversions Part 2

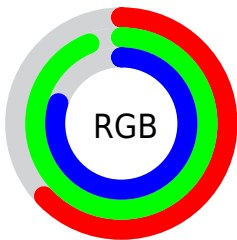
Format	Color
RYB	161, 212, 240
Decimal	10612940
CIELab	89.00, -31.73, 9.76
CIELCh	89, 33.196, 162.894
Yxy	74.1641, 0.2845, 0.3723
Android (android.graphics.Color)	4288803020 (0xFFA1F0CC)
YUV	212.2750, -4.0796, -44.9682
Hunter-Lab	86.1186, -33.2236, 13.2070

Details

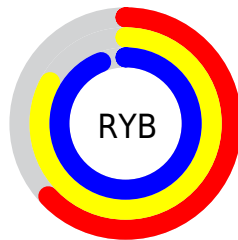
The CIELCh color **89, 33.196, 162.894** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75, 34.921, 349.428**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 12.449, 198.674**, and **69, 33.471, 162.931** is the 20% darker color. If you saturate the color by 10%, you get **88, 42.657, 161.656**, and if you desaturate by 10%, it is **91, 23.326, 163.999**.

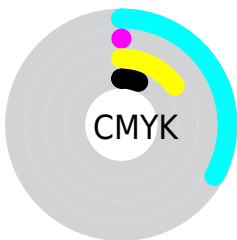
Distribution



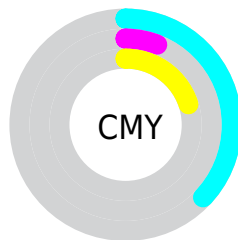
- Red (63%)
- Green (94%)
- Blue (80%)



- Red (63%)
- Yellow (83%)
- Blue (94%)



- Cyan (33%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (37%)
- Magenta (6%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 33.196, 162.894 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, 33.196, 162.894 by changing the saturation by 10% instead.


 89, 33.196,
162.894

 89, 33.196,
162.894


 100, 33.196,
162.894


 79, 33.196,
162.894

 69, 33.196,
162.894

 59, 33.196,
162.894

 49, 33.196,
162.894

 39, 33.196,
162.894


 29, 33.196,
162.894


 19, 33.196,


162.894


 9, 33.196, 162.894


 0, 33.196, 162.894


 89, 33.196,
162.894


 89, 33.196,
162.894

 88, 42.657,
161.656


 91, 23.326,
163.999

 87, 51.529,
160.262

 92, 13.209,
165.002

 86, 59.646,
158.685

 94, 2.990, 166.022

 85, 66.875,
156.902

 96, 6.678, 343.483

 84, 73.142,

 96, 9.427, 324.737

154.902

■ 84, 78.461,
152.695

■ 84, 81.776,
151.071

Harmonies

Complementary

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



89, 33.196, 162.894



75, 34.921, 349.428

Rectangle

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



89, 33.196, 162.894



89, 33.196, 212.894



89, 33.196, 342.894



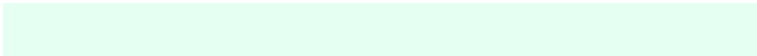
89, 33.196, 32.894

Sweetspot

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



89, 33.197, 162.893



98, 10.737, 165.281



90, 43.382, 128.695



52, 7.324, 165.146



0, 0.000, 0.000



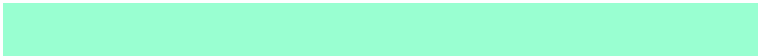
53, 0.007, 296.813

Same Dimension

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



89, 33.197, 162.893



93, 41.957, 162.017



89, 24.349, 201.103



49, 5.802, 165.335



66, 66.362, 151.495



20, 26.964, 155.269

Inverse Universe

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



75, 34.921, 349.428



75, 44.570, 350.380



74, 30.766, 24.746



47, 5.892, 346.891



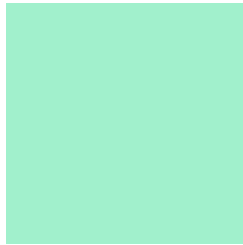
39, 65.964, 6.234



8, 29.096, 359.039

Previews

White Background



This preview shows how the CIELCh color 89, 33.196, 162.894 looks on a white background.

Color Contrast Check

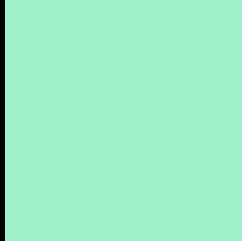
Large Text (above 18pt) WCAG AA × Fail

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, 33.196, 162.894 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, 33.196, 162.894

Background



This preview shows how black text looks on a background with the CIELCh color 89, 33.196, 162.894.

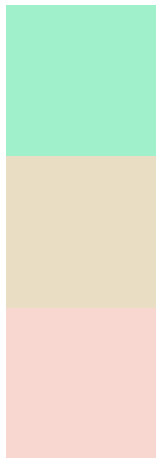


This preview shows how white text looks on a background with the CIELCh color 89, 33.196, 162.894.

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

89, 33.196, 162.894

Protanopia

89, 14.606, 92.451

Deuteranopia

89, 13.103, 33.934

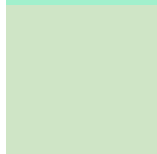


Tritanopia
89, 21.600, 225.764

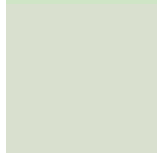
Trichromacy



Original Color
89, 33.196, 162.894



Protanomaly
89, 18.059, 135.449



Deuteranomaly
88, 9.218, 125.573



Tritanomaly
89, 22.490, 196.605

Monochromacy



Original Color
89, 33.196, 162.894



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 12.464, 165.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 33.196, 162.894 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(161, 240, 204)` looks like.

```
.text, #text, p{  
    color:rgb(161, 240, 204)  
}
```

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(161, 240, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 240, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 33.196, 162.894 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(161, 240, 204) }
```

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

```
.border{ border-color:rgb(161, 240, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 240, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 240, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 240, 204);  
box-shadow:4px 4px 4px 4px rgb(161, 240,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 33.196, 162.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 240, 204) }
```

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

```
.background{ background-color: rgb(161,  
240, 204) }
```

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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