

Converting Colors

CIELCh(89, 33.415, 165.579)

Have a look what the booklet for
CIELCh(89, 33.415, 165.579)
contains.

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Color

CIELCh(89, 33.234, 166.074)

Conversions

Conversions Part 1

Format	Color
Hex	9DF0CF
RGB	157, 240, 207
RGB Percent	62%, 94%, 81%
CMY	0.3834, 0.0579, 0.1873
CMYK	0.35, 0.00, 0.14, 0.06
HSL	156°, 74%, 78%
HSV	156°, 35%, 94%
XYZ	56.4672, 74.1641, 70.5148
YIQ	211.4210, -38.8750, -27.8590

Conversions

Conversions Part 2

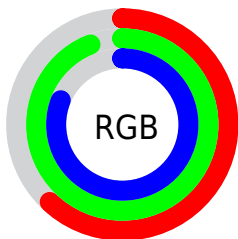
Format	Color
R _Y B	157, 209, 240
Decimal	10350799
CIE Lab	89.00, -32.26, 8.00
CIE LCh	89, 33.234, 166.074
Yxy	74.1641, 0.2807, 0.3687
Android (android.graphics.Color)	4288540879 (0xFF9DF0CF)
YUV	211.4210, -2.1796, -47.7272
Hunter-Lab	86.1186, -33.6666, 11.7358

Details

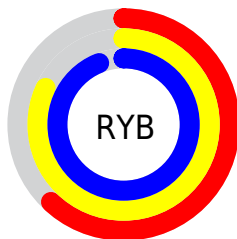
The CIELCh color **89, 33.234, 166.074** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74, 35.625, 353.303**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **69, 33.395, 166.113** is the 20% darker color. If you saturate the color by 10%, you get **88, 42.084, 164.806**, and if you desaturate by 10%, it is **90, 23.912, 167.213**.

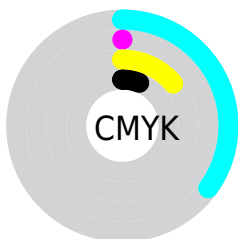
Distribution



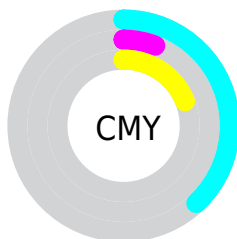
- Red (62%)
- Green (94%)
- Blue (81%)



- Red (62%)
- Yellow (82%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (38%)
- Magenta (6%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 33.234, 166.074 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, 33.234, 166.074 by changing the saturation by 10% instead.


 89, 33.234,
166.074

 89, 33.234,
166.074


 100, 33.234,
166.074


 79, 33.234,
166.074

 69, 33.234,
166.074

 59, 33.234,
166.074

 49, 33.234,
166.074

 39, 33.234,
166.074


 29, 33.234,
166.074


 19, 33.234,

166.074


 9, 33.234, 166.074

 0, 33.234, 166.074


 89, 33.234,
166.074


 89, 33.234,
166.074

 88, 42.084,
164.806


 90, 23.912,
167.213

 87, 50.291,
163.387

 92, 14.277,
168.253

 86, 57.702,
161.790

 94, 4.476, 169.269

 85, 64.203,
159.991

 96, 5.367, 349.924

 85, 69.747,

 96, 9.200, 324.738

157.977

96, 9.202, 324.728

84, 74.377,
155.756

84, 76.630,
154.509

Harmonies

Complementary

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



89, 33.234, 166.074



74, 35.625, 353.303

Rectangle

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



89, 33.234, 166.074



89, 33.234, 216.074



89, 33.234, 346.074



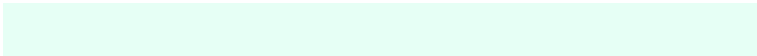
89, 33.234, 36.074

Sweetspot

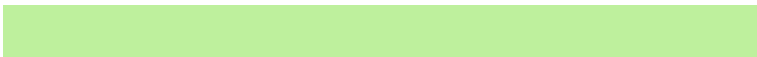
The Sweet Spot groups the original color and five complimentary colors.



89, 33.235, 166.073



98, 10.314, 168.703



90, 46.384, 130.875



52, 7.033, 168.563



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, 33.235, 166.073



93, 40.927, 165.255



88, 23.869, 208.471



49, 5.574, 168.759



66, 62.148, 154.934



20, 25.395, 158.659

Inverse Universe

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



74, 35.625, 353.303



74, 44.423, 354.270



75, 30.736, 30.218



47, 5.683, 350.374



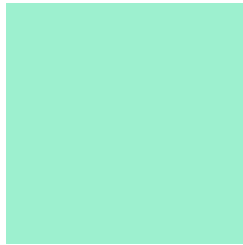
39, 66.289, 11.870



8, 28.834, 3.636

Previews

White Background



This preview shows how the CIE LCh color 89, 33.234, 166.074 looks on a white background.

Color Contrast Check

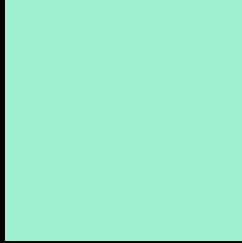
Large Text (above 18pt) WCAG AA × Fail

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, 33.234, 166.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

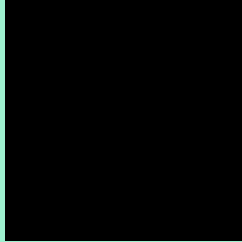
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

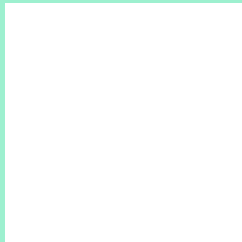
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 33.234, 166.074

Background



This preview shows how black text looks on a background with the CIELCh color 89, 33.234, 166.074.

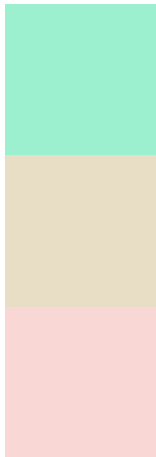


This preview shows how white text looks on a background with the CIELCh color 89, 33.234, 166.074.

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, 33.234, 166.074

Protanopia

89, 13.001, 92.312

Deuteranopia

89, 12.294, 25.065

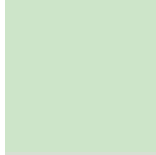


Tritanopia
89, 22.838, 224.074

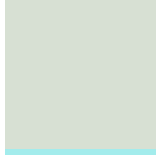
Trichromacy



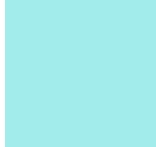
Original Color
89, 33.234, 166.074



Protanomaly
89, 17.049, 139.891



Deuteranomaly
88, 7.538, 135.272

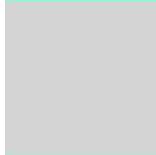


Tritanomaly
89, 23.561, 197.877

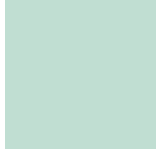
Monochromacy



Original Color
89, 33.234, 166.074



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 12.460, 168.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 33.234, 166.074 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(157, 240, 207)` looks like.

```
.text, #text, p{  
    color:rgb(157, 240, 207)  
}
```

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(157, 240, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 240, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 33.234, 166.074 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(157, 240, 207) }
```

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

```
.border{ border-color:rgb(157, 240, 207) }
```

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

Here you see how a box with a 4 pixel rgb(157, 240, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 240, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 240, 207);  
box-shadow:4px 4px 4px 4px rgb(157, 240,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 33.234, 166.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 240, 207) }
```

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

```
.background{ background-color: rgb(157,  
240, 207) }
```

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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