

Converting Colors

CIELCh(90, 34.300, 176.619)

Have a look what the booklet for
CIELCh(90, 34.300, 176.619)
contains.

CIELCh(90, 34.139, 176.603)	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(90, 34.139, 176.603)

Conversions

Conversions Part 1

Format	Color
Hex	92F4DD
RGB	146, 244, 221
RGB Percent	57%, 96%, 87%
CMY	0.4260, 0.0417, 0.1319
CMYK	0.40, 0.00, 0.09, 0.04
HSL	166°, 82%, 77%
HSV	166°, 40%, 96%
XYZ	57.4761, 76.3034, 80.3530
YIQ	212.0760, -51.0250, -27.9290

Conversions

Conversions Part 2

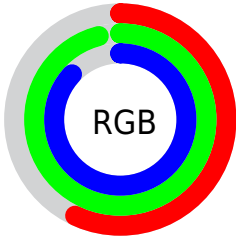
Format	Color
RYB	146, 202, 244
Decimal	9630941
CIELab	90.00, -34.08, 2.02
CIELCh	90, 34.139, 176.603
Yxy	76.3034, 0.2684, 0.3563
Android (android.graphics.Color)	4287821021 (0xFF92F4DD)
YUV	212.0760, 4.3995, -57.9487
Hunter-Lab	87.3518, -35.4154, 6.6067

Details

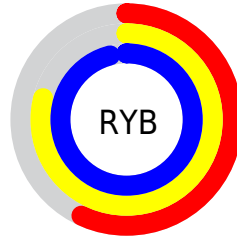
The CIELCh color **90, 34.139, 176.603** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 39.825, 5.674**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.872, 198.386**, and **70, 34.006, 176.851** is the 20% darker color. If you saturate the color by 10%, you get **89, 41.290, 175.382**, and if you desaturate by 10%, it is **91, 26.293, 177.723**.

Distribution



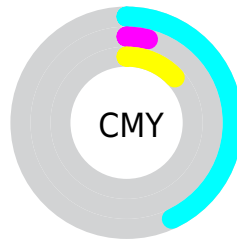
- Red (57%)
- Green (96%)
- Blue (87%)



- Red (57%)
- Yellow (79%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (43%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 34.139, 176.603 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 90, 34.139, 176.603 by changing the saturation by 10% instead.


 90, 34.139,
176.603


 90, 34.139,
176.603

 100, 34.139,
176.603


 80, 34.139,
176.603


 70, 34.139,
176.603

 60, 34.139,
176.603

 50, 34.139,
176.603

 40, 34.139,
176.603

 30, 34.139,
176.603

 20, 34.139,

176.603

■ 10, 34.139,
176.603

■ 0, 34.139, 176.603

■ 90, 34.139,
176.603

■ 90, 34.139,
176.603

■ 89, 41.290,
175.382

■ 91, 26.293,
177.723

■ 88, 47.599,
174.042

■ 93, 17.903,
178.769

■ 87, 52.959,
172.557

■ 94, 9.124, 179.771

■ 87, 57.317,
170.901

■ 96, 0.093, 186.893

■ 97, 4.762, 342.104

■ 86, 60.698,
169.059

■ 97, 6.622, 324.625

■ 86, 63.273,
167.086

Harmonies

Complementary

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



90, 34.139, 176.603



71, 39.825, 5.674

Rectangle

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



90, 34.139, 176.603



90, 34.139, 226.603



90, 34.139, 356.603



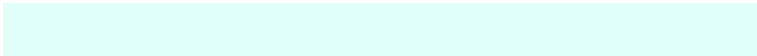
90, 34.139, 46.603

Sweetspot

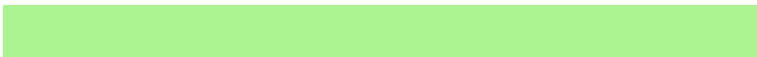
The Sweet Spot groups the original color and five complimentary colors.



90, 34.140, 176.601



98, 11.189, 179.579



90, 56.894, 135.169



52, 7.409, 179.448



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 34.140, 176.601



93, 41.233, 175.635



84, 25.425, 228.915



50, 5.141, 179.833



67, 51.321, 167.455



21, 21.928, 170.455

Inverse Universe

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



71, 39.825, 5.674



70, 49.687, 7.244



76, 33.591, 44.274



48, 5.319, 1.480



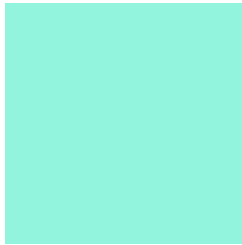
39, 71.773, 26.761



9, 29.869, 14.995

Previews

White Background



This preview shows how the CIE LCh color 90, 34.139, 176.603 looks on a white background.

Color Contrast Check

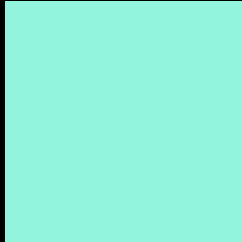
Large Text (above 18pt) WCAG AA × Fail

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 90, 34.139, 176.603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

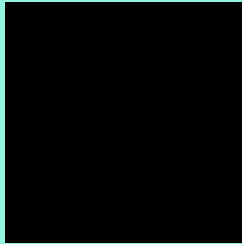
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 34.139, 176.603

Background



This preview shows how black text looks on a background with the CIELCh color 90, 34.139, 176.603.

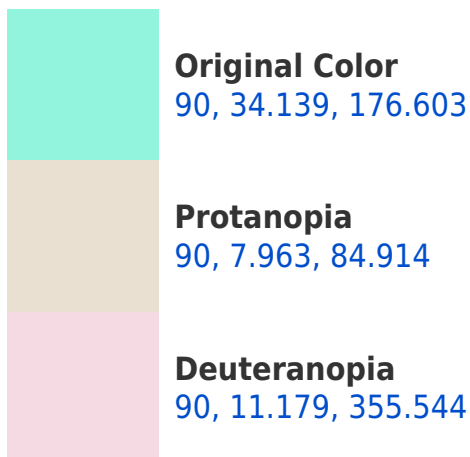


This preview shows how white text looks on a background with the CIELCh color 90, 34.139, 176.603.

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



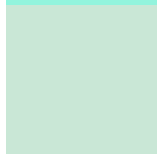


Tritanopia
90, 24.031, 219.817

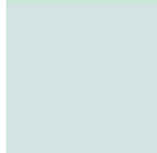
Trichromacy



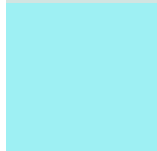
Original Color
90, 34.139, 176.603



Protanomaly
89, 13.959, 159.204



Deuteranomaly
89, 6.549, 185.233

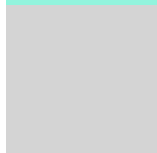


Tritanomaly
90, 25.851, 201.256

Monochromacy



Original Color
90, 34.139, 176.603



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 13.534, 178.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 34.139, 176.603 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(146, 244, 221)` looks like.

```
.text, #text, p{  
    color:rgb(146, 244, 221)  
}
```

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(146, 244, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 244, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 34.139, 176.603 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(146, 244, 221) }
```

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

```
.border{ border-color:rgb(146, 244, 221) }
```

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

Here you see how a box with a 4 pixel rgb(146, 244, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(146, 244,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 34.139, 176.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 244, 221) }
```

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

```
.background{ background-color: rgb(146,  
244, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor