

Converting Colors

CIELCh(90, 34.224, 191.834)

Have a look what the booklet for
CIELCh(90, 34.224, 191.834)
contains.

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Color

CIElCh(90, 34.209, 191.951)

Conversions

Conversions Part 1

Format	Color
Hex	85F5EF
RGB	133, 245, 239
RGB Percent	52%, 96%, 94%
CMY	0.4796, 0.0404, 0.0639
CMYK	0.46, 0.00, 0.02, 0.04
HSL	177°, 84%, 74%
HSV	177°, 46%, 96%
XYZ	57.7258, 76.3034, 93.1215
YIQ	210.8280, -64.8260, -25.6100

Conversions

Conversions Part 2

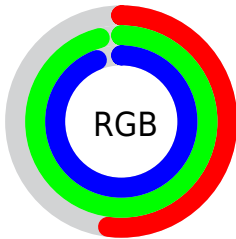
Format	Color
RYB	133, 191, 245
Decimal	8779247
CIELab	90.00, -33.47, -7.08
CIElCh	90, 34.209, 191.951
Yxy	76.3034, 0.2541, 0.3359
Android (android.graphics.Color)	4286969327 (0xFF85F5EF)
YUV	210.8280, 13.8888, -68.2552
Hunter-Lab	87.3518, -34.9051, -2.0600

Details

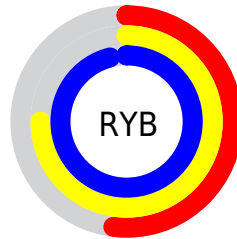
The CIELCh color **90, 34.209, 191.951** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 46.114, 20.460**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **70, 34.101, 192.121** is the 20% darker color. If you saturate the color by 10%, you get **89, 39.548, 191.315**, and if you desaturate by 10%, it is **91, 27.943, 192.592**.

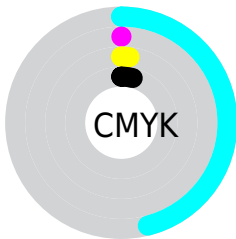
Distribution



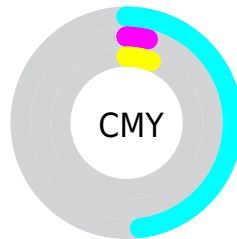
- Red (52%)
- Green (96%)
- Blue (94%)



- Red (52%)
- Yellow (75%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (48%)
- Magenta (4%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 34.209, 191.951 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, 34.209, 191.951 by changing the saturation by 10% instead.


 90, 34.209,
191.951


 90, 34.209,
191.951


 100, 34.209,
191.951


 80, 34.209,
191.951

 70, 34.209,
191.951

 60, 34.209,
191.951

 50, 34.209,
191.951

 40, 34.209,
191.951

 30, 34.209,
191.951

 20, 34.209,

191.951

■ 10, 34.209,
191.951

■ 0, 34.209, 191.951

■ 90, 34.209,
191.951

■ 90, 34.209,
191.951

■ 89, 39.548,
191.315

■ 91, 27.943,
192.592

■ 88, 43.863,
190.683

■ 92, 20.878,
193.251

■ 88, 47.104,
190.042

■ 94, 13.159,
193.933

■ 88, 49.291,
189.378

■ 95, 4.927, 194.690

■ 97, 3.661, 15.048

■ 87, 50.522,
188.677

■ 97, 3.773, 4.893

■ 87, 50.863,
188.373

■ 97, 3.996, 355.602

■ 97, 4.313, 347.488

■ 97, 4.704, 340.609

Harmonies

Complementary

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



90, 34.209, 191.951



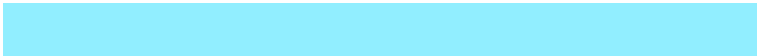
68, 46.114, 20.460

Rectangle

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



90, 34.209, 191.951



90, 34.209, 241.951



90, 34.209, 11.951



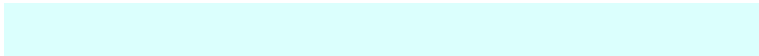
90, 34.209, 61.951

Sweetspot

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



90, 34.209, 191.949



98, 12.132, 194.056



88, 68.335, 139.360



52, 8.329, 193.903



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, 34.209, 191.949



93, 40.475, 191.356



77, 31.218, 255.885



50, 4.816, 194.388



68, 41.387, 188.501



21, 18.277, 189.502

Inverse Universe

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



68, 46.114, 20.460



66, 58.491, 22.575



79, 37.863, 62.838



48, 5.086, 15.608



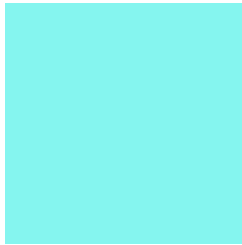
39, 80.286, 37.913



8, 30.692, 22.860

Previews

White Background



This preview shows how the CIE LCh color 90, 34.209, 191.951 looks on a white background.

Color Contrast Check

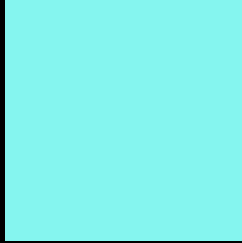
Large Text (above 18pt) WCAG AA × Fail

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, 34.209, 191.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

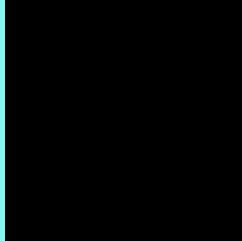
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 34.209, 191.951

Background



This preview shows how black text looks on a background with the CIELCh color 90, 34.209, 191.951.

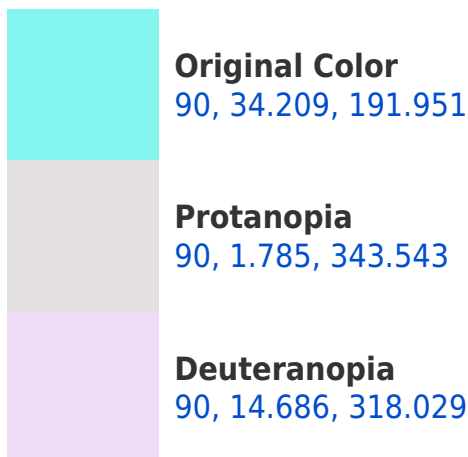



This preview shows how white text looks on a background with the CIELCh color 90, 34.209, 191.951.

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, 25.663, 217.012

Trichromacy



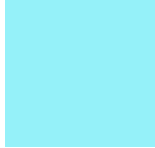
Original Color
90, 34.209, 191.951



Protanomaly
89, 13.321, 196.298



Deuteranomaly
89, 11.750, 237.450

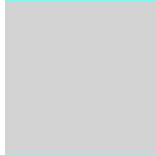


Tritanomaly
90, 28.309, 206.187

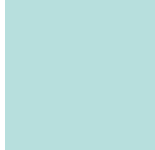
Monochromacy



Original Color
90, 34.209, 191.951



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 13.791, 194.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 34.209, 191.951 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(133, 245, 239)` looks like.

```
.text, #text, p{  
    color:rgb(133, 245, 239)  
}
```

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(133, 245, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 245, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 34.209, 191.951 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(133, 245, 239) }
```

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

```
.border{ border-color:rgb(133, 245, 239) }
```

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

Here you see how a box with a 4 pixel rgb(133, 245, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 245, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 245, 239);  
box-shadow:4px 4px 4px 4px rgb(133, 245,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 34.209, 191.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 245, 239) }
```

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

```
.background{ background-color: rgb(133,  
245, 239) }
```

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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