

Converting Colors

CIELCh(91, 27.707, 209.932)

Have a look what the booklet for
CIELCh(91, 27.707, 209.932)
contains.

CIELCh(91, 27.838, 209.670)	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(91, 27.838, 209.670)

Conversions

Conversions Part 1

Format	Color
Hex	9AF4FF
RGB	154, 244, 255
RGB Percent	60%, 96%, 100%
CMY	0.3976, 0.0447, 0.0016
CMYK	0.40, 0.04, 0.00, 0.00
HSL	187°, 99%, 80%
HSV	187°, 40%, 100%
XYZ	63.4642, 78.4833, 106.0701
YIQ	218.3440, -57.1710, -15.6590

Conversions

Conversions Part 2

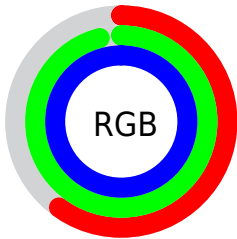
Format	Color
RYB	154, 202, 255
Decimal	10155263
CIELab	91.00, -24.19, -13.78
CIELCh	91, 27.838, 209.670
Yxy	78.4833, 0.2559, 0.3164
Android (android.graphics.Color)	4288345343 (0xFF9AF4FF)
YUV	218.3440, 18.0714, -56.4297
Hunter-Lab	88.5908, -27.1612, -8.9746

Details

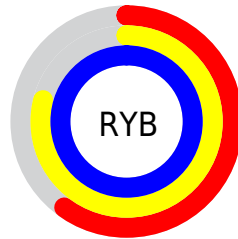
The CIELCh color **91, 27.838, 209.670** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 37.510, 31.420**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **71, 28.038, 208.709** is the 20% darker color. If you saturate the color by 10%, you get **89, 33.071, 210.078**, and if you desaturate by 10%, it is **93, 21.757, 209.445**.

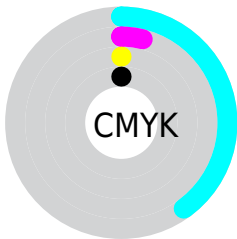
Distribution



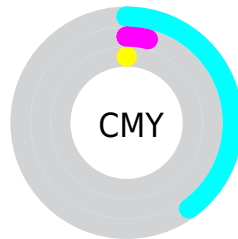
- Red (60%)
- Green (96%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 27.838, 209.670 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 91, 27.838, 209.670 by changing the saturation by 10% instead.


 91, 27.838,
209.670


 91, 27.838,
209.670


 100, 27.838,
209.670


 81, 27.838,
209.670

 71, 27.838,
209.670

 61, 27.838,
209.670

 51, 27.838,
209.670

 41, 27.838,
209.670

 31, 27.838,
209.670

 21, 27.838,

209.670

■ 11, 27.838,
209.670

■ 1, 27.838, 209.670

■ 91, 27.838,
209.670

■ 91, 27.838,
209.670

■ 89, 33.071,
210.078

■ 93, 21.757,
209.445

■ 88, 37.342,
210.715

■ 95, 14.959,
209.379

■ 86, 40.573,
211.623

■ 97, 7.576, 209.463

100, 0.115, 37.145

■ 85, 42.738,
212.847

100, 0.193,
109.763

■ 84, 43.891,
214.429

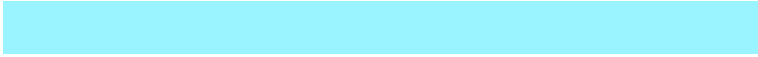
■ 83, 44.231,
216.366

■ 83, 44.238,
216.433

Harmonies

Complementary

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



91, 27.838, 209.670



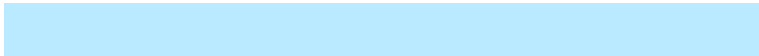
76, 37.510, 31.420

Rectangle

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



91, 27.838, 209.670



91, 27.838, 259.670



91, 27.838, 29.670



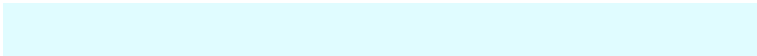
91, 27.838, 79.670

Sweetspot

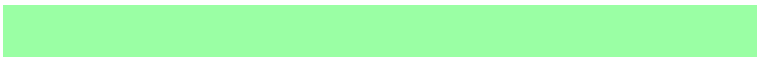
The Sweet Spot groups the original color and five complimentary colors.



91, 27.838, 209.667



97, 9.355, 209.428



92, 58.719, 144.117



51, 6.182, 209.413



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 27.838, 209.667



90, 32.303, 209.995



78, 34.114, 272.364



52, 4.463, 209.466



64, 35.718, 216.046



21, 16.590, 213.395

Inverse Universe

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



76, 58.291, 329.900



72, 69.645, 330.392



88, 35.707, 80.103



50, 8.405, 328.075



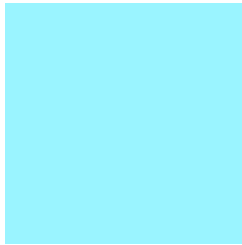
44, 85.448, 333.116



12, 39.716, 332.465

Previews

White Background



This preview shows how the CIE LCh color 91, 27.838, 209.670 looks on a white background.

Color Contrast Check

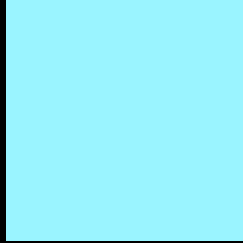
Large Text (above 18pt) WCAG AA × Fail

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 91, 27.838, 209.670 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 91, 27.838, 209.670

Background



This preview shows how black text looks on a background with the CIELCh color 91, 27.838, 209.670.

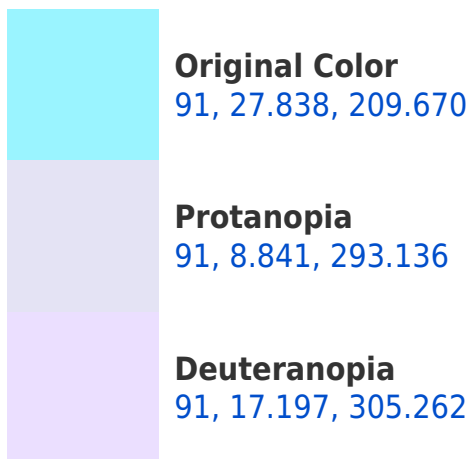


This preview shows how white text looks on a background with the CIELCh color 91, 27.838, 209.670.

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



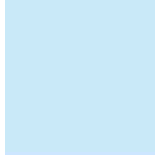


Tritanopia
91, 21.595, 220.997

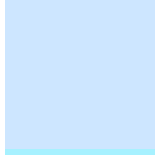
Trichromacy



Original Color
91, 27.838, 209.670



Protanomaly
91, 13.014, 235.767



Deuteranomaly
90, 15.176, 258.270

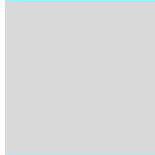


Tritanomaly
91, 23.957, 215.815

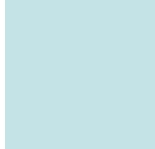
Monochromacy



Original Color
91, 27.838, 209.670



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 11.079, 209.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 27.838, 209.670 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(154, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 244, 255)  
}
```

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(154, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 244, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 27.838, 209.670 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(154, 244, 255) }
```

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

```
.border{ border-color:rgb(154, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 244,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 27.838, 209.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 244, 255) }
```

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

```
.background{ background-color: rgb(154,  
244, 255) }
```

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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