

Converting Colors

CIELCh(90, 26.133, 216.253)

Have a look what the booklet for
CIELCh(90, 26.133, 216.253)
contains.

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Color

CIELCh(90, 26.156, 216.613)

Conversions

Conversions Part 1

Format	Color
Hex	9DEFFF
RGB	157, 239, 255
RGB Percent	62%, 94%, 100%
CMY	0.3834, 0.0618, 0.0000
CMYK	0.38, 0.06, 0.00, 0.00
HSL	190°, 100%, 81%
HSV	190°, 38%, 100%
XYZ	62.9787, 76.3034, 106.2236
YIQ	216.3060, -54.0080, -12.4080

Conversions

Conversions Part 2

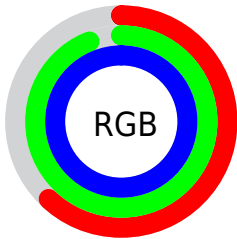
Format	Color
RYB	157, 202, 255
Decimal	10350591
CIELab	90.00, -20.99, -15.60
CIELCh	90, 26.156, 216.613
Yxy	76.3034, 0.2565, 0.3108
Android (android.graphics.Color)	4288540671 (0xFF9DEFFF)
YUV	216.3060, 19.0761, -52.0114
Hunter-Lab	87.3518, -24.1711, -10.9530

Details

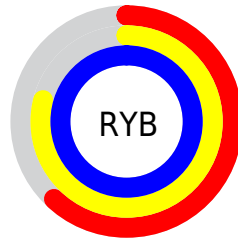
The CIELCh color **90, 26.156, 216.613** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **78, 34.749, 35.811**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.412, 198.611**, and **70, 26.198, 216.038** is the 20% darker color. If you saturate the color by 10%, you get **88, 31.348, 217.139**, and if you desaturate by 10%, it is **92, 20.141, 215.764**.

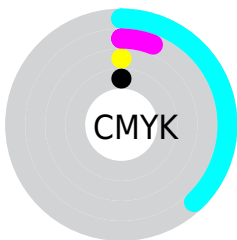
Distribution



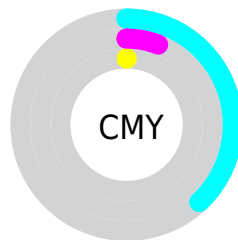
- Red (62%)
- Green (94%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 26.156, 216.613 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, 26.156, 216.613 by changing the saturation by 10% instead.


 90, 26.156,
216.613


 90, 26.156,
216.613


 100, 26.156,
216.613


 80, 26.156,
216.613

 70, 26.156,
216.613

 60, 26.156,
216.613

 50, 26.156,
216.613

 40, 26.156,
216.613

 30, 26.156,
216.613

 20, 26.156,

216.613

■ 10, 26.156,
216.613

■ 0, 26.156, 216.613

■ 90, 26.156,
216.613

■ 90, 26.156,
216.613

■ 88, 31.348,
217.139

■ 92, 20.141,
215.764

■ 86, 35.672,
218.266

■ 95, 13.493,
215.412

■ 84, 39.027,
219.773

■ 98, 6.312, 215.256

■ 82, 41.388,
221.735

100, 0.012,
296.813

■ 81, 42.808,
224.217

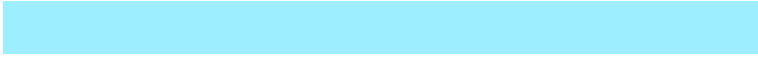
■ 79, 43.458,
227.243

■ 79, 43.539,
227.772

Harmonies

Complementary

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



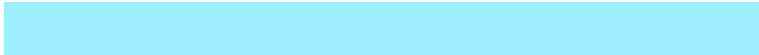
90, 26.156, 216.613



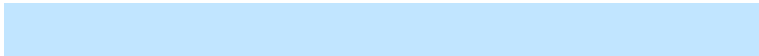
78, 34.749, 35.811

Rectangle

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



90, 26.156, 216.613



90, 26.156, 266.613



90, 26.156, 36.613



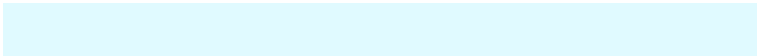
90, 26.156, 86.613

Sweetspot

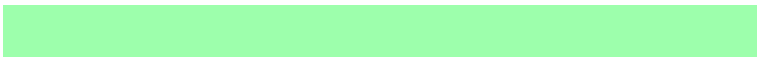
The Sweet Spot groups the original color and five complimentary colors.



90, 26.134, 216.324



97, 8.998, 215.286



92, 54.900, 145.758



51, 5.946, 215.305



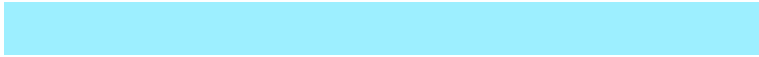
0, 0.000, 0.000



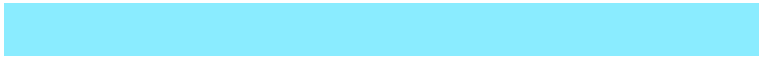
53, 0.007, 296.813

Same Dimension

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



90, 26.134, 216.324



88, 30.206, 216.923



77, 35.170, 276.271



52, 4.292, 215.261



61, 35.068, 227.161



20, 16.179, 222.965

Inverse Universe

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



77, 54.520, 331.621



73, 64.690, 332.127



90, 35.731, 84.684



50, 8.102, 329.760



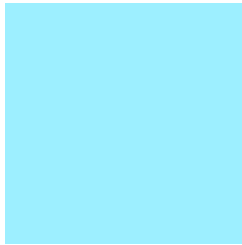
44, 82.054, 335.904



12, 38.316, 334.834

Previews

White Background



This preview shows how the CIE LCh color 90, 26.156, 216.613 looks on a white background.

Color Contrast Check

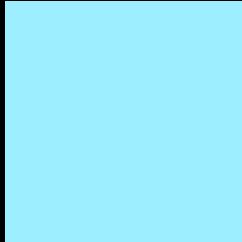
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 26.156, 216.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

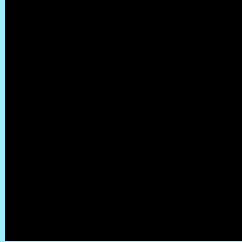
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 26.156, 216.613

Background



This preview shows how black text looks on a background with the CIELCh color 90, 26.156, 216.613.

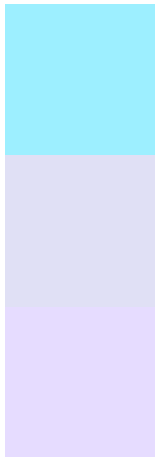


This preview shows how white text looks on a background with the CIELCh color 90, 26.156, 216.613.

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
90, 26.156, 216.613

Protanopia
90, 10.932, 291.068

Deuteranopia
90, 18.616, 302.132

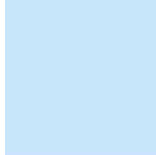


Tritanopia
90, 23.667, 221.598

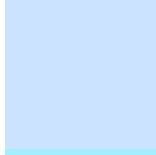
Trichromacy



Original Color
90, 26.156, 216.613



Protanomaly
90, 13.813, 244.829



Deuteranomaly
89, 16.222, 263.507

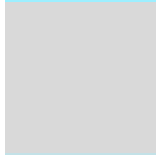


Tritanomaly
90, 24.531, 219.326

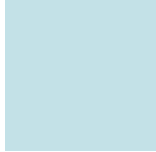
Monochromacy



Original Color
90, 26.156, 216.613



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 10.639, 216.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 26.156, 216.613 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 239, 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(157, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 239, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 26.156, 216.613 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, 239, 255) }
```

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

```
.border{ border-color:rgb(157, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 239,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 26.156, 216.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 239, 255) }
```

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

```
.background{ background-color: rgb(157,  
239, 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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