

Converting Colors

CIELCh(90, 21.975, 224.890)

Have a look what the booklet for
CIELCh(90, 21.975, 224.890)
contains.

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Color

CIElCh(90, 21.830, 225.373)

Conversions

Conversions Part 1

Format	Color
Hex	ADECFE
RGB	173, 236, 255
RGB Percent	68%, 93%, 100%
CMY	0.3205, 0.0734, 0.0000
CMYK	0.32, 0.07, 0.00, 0.00
HSL	194°, 100%, 84%
HSV	194°, 32%, 100%
XYZ	65.4638, 76.3034, 106.1219
YIQ	219.3290, -43.6470, -7.4470

Conversions

Conversions Part 2

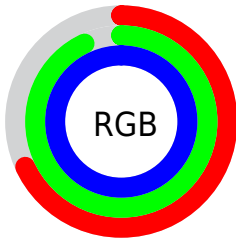
Format	Color
RYB	173, 209, 255
Decimal	11398399
CIELab	90.00, -15.34, -15.54
CIELCh	90, 21.830, 225.373
Yxy	76.3034, 0.2641, 0.3078
Android (android.graphics.Color)	4289588479 (0xFFADECFF)
YUV	219.3290, 17.5858, -40.6305
Hunter-Lab	87.3518, -19.0929, -10.8839

Details

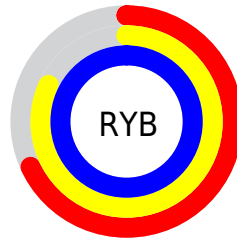
The CIELCh color **90, 21.830, 225.373** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 27.157, 42.179**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.521, 198.944**, and **70, 21.697, 225.295** is the 20% darker color. If you saturate the color by 10%, you get **87, 27.434, 226.165**, and if you desaturate by 10%, it is **93, 15.506, 224.129**.

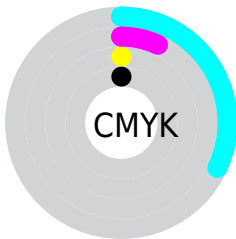
Distribution



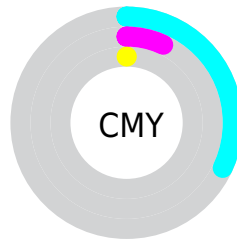
- Red (68%)
- Green (93%)
- Blue (100%)



- Red (68%)
- Yellow (82%)
- Blue (100%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 21.830, 225.373 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, 21.830, 225.373 by changing the saturation by 10% instead.


 90, 21.830,
225.373


 90, 21.830,
225.373


 100, 21.830,
225.373


 80, 21.830,
225.373

 70, 21.830,
225.373

 60, 21.830,
225.373

 50, 21.830,
225.373

 40, 21.830,
225.373

 30, 21.830,
225.373

 20, 21.830,

225.373

■ 10, 21.830,
225.373

■ 0, 21.830, 225.373

■ 90, 21.830,
225.373

■ 90, 21.830,
225.373

■ 87, 27.434,
226.165

■ 93, 15.506,
224.129

■ 84, 32.362,
227.705

■ 96, 8.718, 223.513

■ 82, 36.479,
229.701

■ 99, 1.520, 223.394

■ 100, 0.012,
296.813

■ 80, 39.747,
232.249

■ 78, 42.189,
235.435

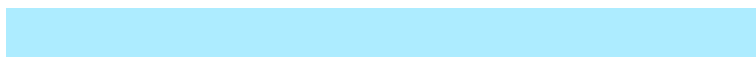
■ 76, 43.926,
239.312

■ 74, 44.995,
242.806

Harmonies

Complementary

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



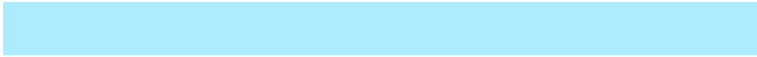
90, 21.830, 225.373



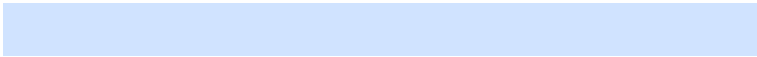
83, 27.157, 42.179

Rectangle

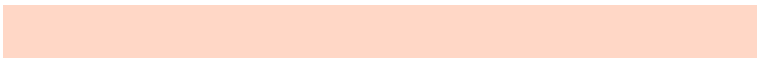
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 21.830, 225.373



90, 21.830, 275.373



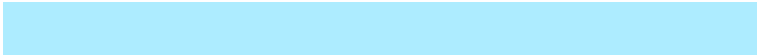
90, 21.830, 45.373



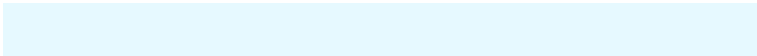
90, 21.830, 95.373

Sweetspot

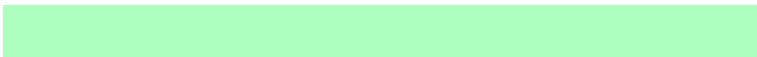
The Sweet Spot groups the original color and five complimentary colors.



90, 21.781, 224.998



97, 7.273, 223.418



94, 43.876, 148.583



51, 4.944, 223.482



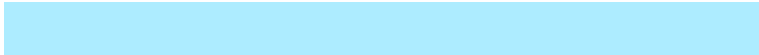
0, 0.000, 0.000



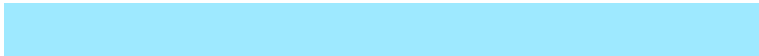
53, 0.007, 296.813

Same Dimension

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



90, 21.781, 224.998



88, 25.227, 225.652



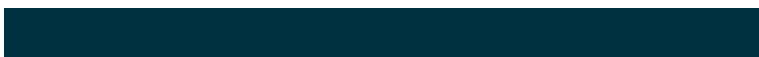
80, 31.801, 279.873



52, 4.140, 223.397



57, 36.112, 241.958



18, 16.297, 236.002

Inverse Universe

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



80, 43.724, 333.726



77, 51.619, 334.166



93, 31.414, 90.856



50, 7.722, 332.147



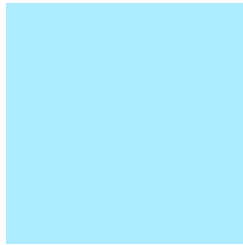
43, 78.001, 340.014



11, 36.615, 338.278

Previews

White Background



This preview shows how the CIE LCh color 90, 21.830, 225.373 looks on a white background.

Color Contrast Check

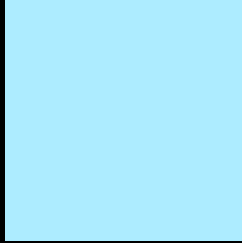
Large Text (above 18pt) WCAG AA × Fail

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, 21.830, 225.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

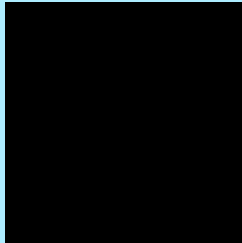
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 21.830, 225.373

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.830, 225.373.

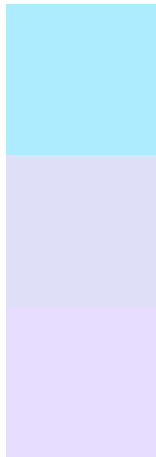


This preview shows how white text looks on a background with the CIELCh color 90, 21.830, 225.373.

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, 21.830, 225.373

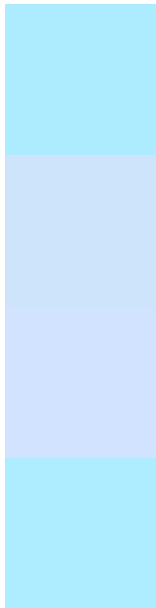
Protanopia
90, 11.971, 289.514

Deuteranopia
90, 18.090, 302.409



Tritanopia
90, 21.580, 225.726

Trichromacy



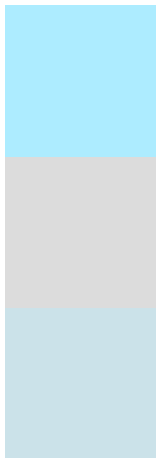
Original Color
90, 21.830, 225.373

Protanomaly
90, 13.591, 256.766

Deuteranomaly
90, 15.472, 269.961

Tritanomaly
90, 21.580, 225.726

Monochromacy



Original Color
90, 21.830, 225.373

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 8.628, 224.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.830, 225.373 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(173, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 236, 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(173, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 236, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.830, 225.373 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(173, 236, 255) }
```

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

```
.border{ border-color:rgb(173, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 236,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.830, 225.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 236, 255) }
```

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

```
.background{ background-color: rgb(173,  
236, 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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