

Converting Colors

CIELCh(90, 21.990, 197.988)

Have a look what the booklet for
CIELCh(90, 21.990, 197.988)
contains.

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Color

CIElCh(90, 22.108, 197.986)

Conversions

Conversions Part 1

Format	Color
Hex	ABEFEF
RGB	171, 239, 239
RGB Percent	67%, 94%, 94%
CMY	0.3310, 0.0644, 0.0644
CMYK	0.28, 0.00, 0.00, 0.06
HSL	180°, 67%, 80%
HSV	180°, 28%, 94%
XYZ	62.9646, 76.3034, 92.7435
YIQ	218.6680, -40.5280, -14.4160

Conversions

Conversions Part 2

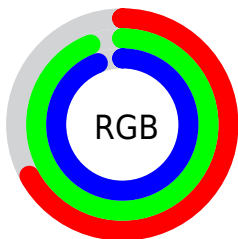
Format	Color
R_{YB}	171, 205, 239
Decimal	11268079
CIE _{Lab}	90.00, -21.03, -6.83
CIE _{LCh}	90, 22.108, 197.986
Yxy	76.3034, 0.2714, 0.3289
Android (android.graphics.Color)	4289458159 (0xFFABEFEF)
YUV	218.6680, 10.0237, -41.8048
Hunter-Lab	87.3518, -24.2000, -1.8034

Details

The CIELCh color **90, 22.108, 197.986** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76, 26.873, 21.751**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **70, 22.197, 197.662** is the 20% darker color. If you saturate the color by 10%, you get **89, 28.630, 197.561**, and if you desaturate by 10%, it is **91, 14.860, 198.464**.

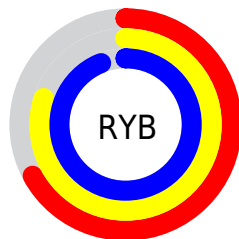
Distribution



Red (67%)

Green (94%)

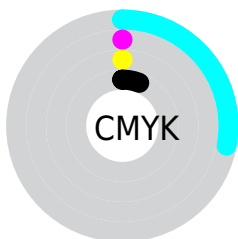
Blue (94%)



Red (67%)

Yellow (80%)

Blue (94%)

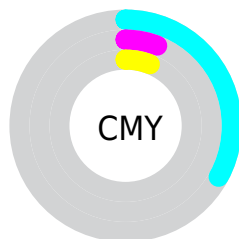


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (33%)


Magenta (6%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 22.108, 197.986 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, 22.108, 197.986 by changing the saturation by 10% instead.


 90, 22.108,
197.986


 90, 22.108,
197.986


 100, 22.108,
197.986


 80, 22.108,
197.986

 70, 22.108,
197.986

 60, 22.108,
197.986

 50, 22.108,
197.986

 40, 22.108,
197.986

 30, 22.108,
197.986

 20, 22.108,

197.986

■ 10, 22.108,
197.986

■ 0, 22.108, 197.986

■ 90, 22.108,
197.986

■ 90, 22.108,
197.986

■ 89, 28.630,
197.561

■ 91, 14.860,
198.464

■ 88, 34.294,
197.203

■ 93, 7.022, 199.026

■ 87, 38.990,
196.911

■ 95, 1.271, 18.993

■ 96, 5.878, 19.691

■ 87, 42.647,
196.687

■ 96, 5.878, 19.689

■ 86, 45.248,
196.529

■ 96, 5.878, 19.686

■ 86, 46.838,
196.432

■ 96, 5.878, 19.684

■ 86, 47.574,
196.388

■ 96, 5.878, 19.681

■ 86, 47.654,
196.383

■ 96, 5.878, 19.678

Harmonies

Complementary

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



90, 22.108, 197.986



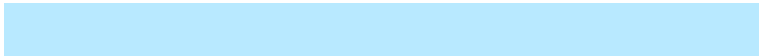
76, 26.873, 21.751

Rectangle

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



90, 22.108, 197.986



90, 22.108, 247.986



90, 22.108, 17.986



90, 22.108, 67.986

Sweetspot

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



90, 22.109, 197.982



98, 7.839, 198.992



89, 42.906, 142.065



52, 5.426, 198.903



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, 22.109, 197.982



95, 27.211, 197.738



81, 20.449, 257.996



49, 4.701, 198.965



68, 39.158, 196.383



21, 17.094, 196.384

Inverse Universe

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



76, 26.873, 21.751



77, 34.547, 22.472



84, 22.313, 70.102



47, 4.993, 19.937



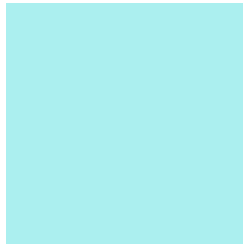
38, 81.702, 39.994



8, 29.836, 23.805

Previews

White Background



This preview shows how the CIE LCh color 90, 22.108, 197.986 looks on a white background.

Color Contrast Check

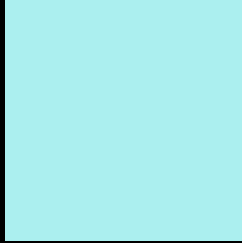
Large Text (above 18pt) WCAG AA × Fail

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, 22.108, 197.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

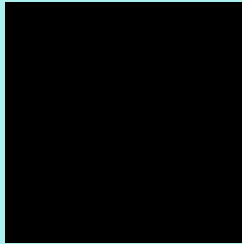
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 22.108, 197.986

Background



This preview shows how black text looks on a background with the CIELCh color 90, 22.108, 197.986.

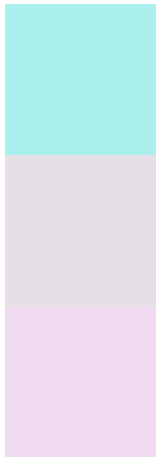


This preview shows how white text looks on a background with the CIELCh color 90, 22.108, 197.986.

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, 22.108, 197.986

Protanopia
90, 3.454, 314.722

Deuteranopia
90, 14.571, 321.457

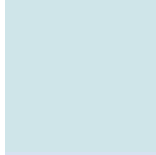


Tritanopia
90, 21.580, 225.726

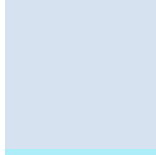
Trichromacy



Original Color
90, 22.108, 197.986



Protanomaly
89, 7.834, 214.433



Deuteranomaly
89, 8.597, 264.775

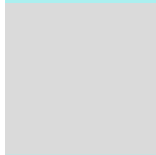


Tritanomaly
90, 21.147, 215.452

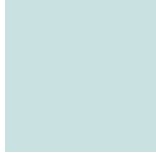
Monochromacy



Original Color
90, 22.108, 197.986



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 8.359, 198.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 22.108, 197.986 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(171, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(171, 239, 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(171, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 239, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 22.108, 197.986 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(171, 239, 239) }
```

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

```
.border{ border-color:rgb(171, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(171, 239,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 22.108, 197.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 239, 239) }
```

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

```
.background{ background-color: rgb(171,  
239, 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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