

Converting Colors

CIELCh(90, 22.625, 170.228)

Have a look what the booklet for
CIELCh(90, 22.625, 170.228)
contains.

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Color

CIElCh(90, 22.389, 170.223)

Conversions

Conversions Part 1

Format	Color
Hex	B5EEDA
RGB	181, 238, 218
RGB Percent	71%, 93%, 85%
CMY	0.2888, 0.0652, 0.1437
CMYK	0.24, 0.00, 0.08, 0.07
HSL	159°, 63%, 82%
HSV	159°, 24%, 93%
XYZ	62.5166, 76.3034, 78.0034
YIQ	218.6770, -27.5520, -18.3040

Conversions

Conversions Part 2

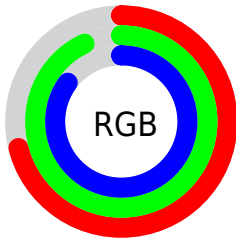
Format	Color
RYB	181, 216, 238
Decimal	11923162
CIELab	90.00, -22.06, 3.80
CIELCh	90, 22.389, 170.223
Yxy	76.3034, 0.2883, 0.3519
Android (android.graphics.Color)	4290113242 (0xFFB5EEDA)
YUV	218.6770, -0.3338, -33.0427
Hunter-Lab	87.3518, -25.1155, 8.2015

Details

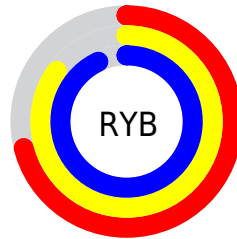
The CIELCh color **90, 22.389, 170.223** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79, 23.726, 354.992**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.840, 199.149**, and **70, 22.453, 169.936** is the 20% darker color. If you saturate the color by 10%, you get **89, 31.296, 169.087**, and if you desaturate by 10%, it is **92, 13.150, 171.266**.

Distribution



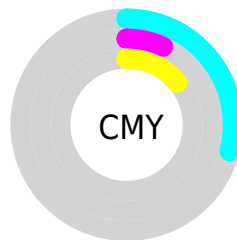
- Red (71%)
- Green (93%)
- Blue (85%)



- Red (71%)
- Yellow (85%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (29%)
- Magenta (7%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 22.389, 170.223 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, 22.389, 170.223 by changing the saturation by 10% instead.


 90, 22.389,
170.223


 90, 22.389,
170.223


 100, 22.389,
170.223


 80, 22.389,
170.223

 70, 22.389,
170.223

 60, 22.389,
170.223

 50, 22.389,
170.223

 40, 22.389,
170.223

 30, 22.389,
170.223

 20, 22.389,

170.223

■ 10, 22.389,
170.223

■ 0, 22.389, 170.223

■ 90, 22.389,
170.223

■ 90, 22.389,
170.223

■ 89, 31.296,
169.087

■ 92, 13.150,
171.266

■ 87, 39.708,
167.838

■ 93, 3.717, 172.314

■ 86, 47.467,
166.447

■ 95, 5.788, 352.962

■ 85, 54.425,
164.889

■ 96, 9.083, 330.596

■ 96, 10.375,
324.773

■ 85, 60.474,
163.139

■ 84, 65.572,
161.181

■ 84, 69.762,
159.015

■ 84, 71.992,
157.646

Harmonies

Complementary

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



90, 22.389, 170.223



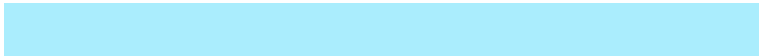
79, 23.726, 354.992

Rectangle

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



90, 22.389, 170.223



90, 22.389, 220.223



90, 22.389, 350.223



90, 22.389, 40.223

Sweetspot

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



90, 22.391, 170.221



99, 7.008, 171.965



90, 32.299, 132.505



52, 4.553, 171.903



0, 0.000, 0.000



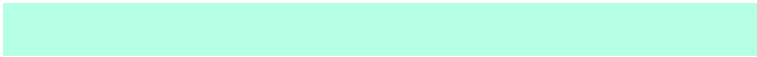
53, 0.007, 296.813

Same Dimension

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



90, 22.391, 170.221



95, 28.478, 169.646



88, 16.679, 212.225



49, 5.406, 171.714



66, 58.781, 158.053



20, 24.157, 161.691

Inverse Universe

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



79, 23.726, 354.992



81, 30.576, 355.658



81, 19.706, 32.541



47, 5.532, 353.363



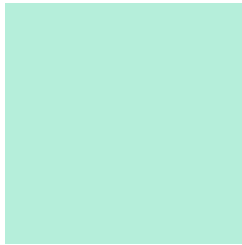
39, 67.095, 16.356



8, 28.759, 7.009

Previews

White Background



This preview shows how the CIE LCh color 90, 22.389, 170.223 looks on a white background.

Color Contrast Check

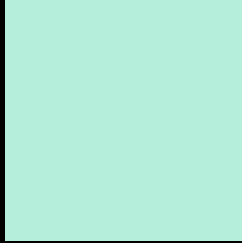
Large Text (above 18pt) WCAG AA × Fail

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, 22.389, 170.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

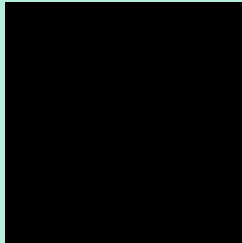
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

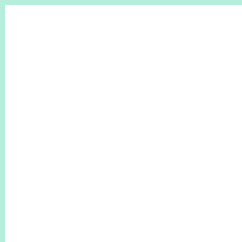
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 22.389, 170.223

Background



This preview shows how black text looks on a background with the CIELCh color 90, 22.389, 170.223.

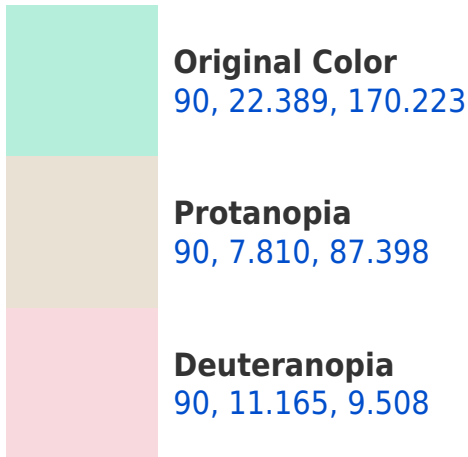


This preview shows how white text looks on a background with the CIELCh color 90, 22.389, 170.223.

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



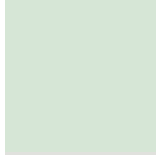


Tritanopia
90, 17.344, 233.545

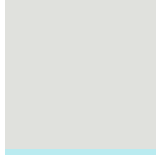
Trichromacy



Original Color
90, 22.389, 170.223



Protanomaly
90, 10.157, 144.067



Deuteranomaly
89, 2.103, 119.816

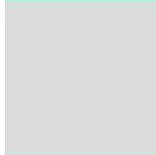


Tritanomaly
90, 16.384, 207.571

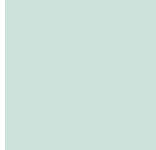
Monochromacy



Original Color
90, 22.389, 170.223



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 8.335, 172.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 22.389, 170.223 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(181, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(181, 238, 218)  
}
```

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(181, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 238, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 22.389, 170.223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

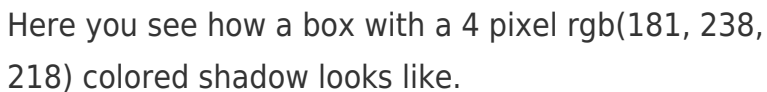
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 238, 218) }
```

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

```
.border{ border-color:rgb(181, 238, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 238, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 238, 218); box-shadow:4px 4px 4px 4px rgb(181, 238, 218) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 22.389, 170.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 238, 218) }
```

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

```
.background{ background-color: rgb(181,  
238, 218) }
```

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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