

Converting Colors

CIELCh(90, 38.721, 171.621)

Have a look what the booklet for
CIELCh(90, 38.721, 171.621)
contains.

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Color

CIELCh(90, 38.716, 171.417)

Conversions

Conversions Part 1

Format	Color
Hex	8BF6D6
RGB	139, 246, 214
RGB Percent	55%, 96%, 84%
CMY	0.4546, 0.0350, 0.1605
CMYK	0.43, 0.00, 0.13, 0.04
HSL	162°, 86%, 76%
HSV	162°, 43%, 96%
XYZ	55.7789, 76.3034, 75.4478
YIQ	210.3590, -53.5000, -32.6360

Conversions

Conversions Part 2

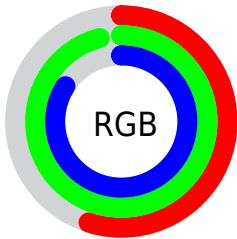
Format	Color
R_{YB}	139, 202, 246
Decimal	9172694
CIE _{Lab}	90.00, -38.28, 5.78
CIE _{LCh}	90, 38.716, 171.417
Yxy	76.3034, 0.2688, 0.3677
Android (android.graphics.Color)	4287362774 (0xFF8BF6D6)
YUV	210.3590, 1.7950, -62.5818
Hunter-Lab	87.3518, -38.8836, 9.9361

Details

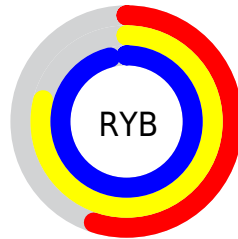
The CIELCh color **90, 38.716, 171.417** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 44.189, 1.555**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.012, 198.250**, and **70, 38.740, 171.240** is the 20% darker color. If you saturate the color by 10%, you get **89, 46.214, 170.067**, and if you desaturate by 10%, it is **91, 30.517, 172.636**.

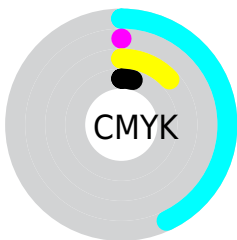
Distribution



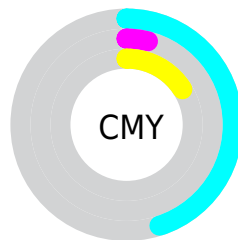
- Red (55%)
- Green (96%)
- Blue (84%)



- Red (55%)
- Yellow (79%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (45%)
- Magenta (4%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 38.716, 171.417 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, 38.716, 171.417 by changing the saturation by 10% instead.

 90, 38.716,
171.417


 90, 38.716,
171.417

 100, 38.716,
171.417

 80, 38.716,
171.417


 70, 38.716,
171.417

 60, 38.716,
171.417

 50, 38.716,
171.417

 40, 38.716,
171.417

 30, 38.716,
171.417

 20, 38.716,

171.417

■ 10, 38.716,
171.417

■ 0, 38.716, 171.417

■ 90, 38.716,
171.417

■ 90, 38.716,
171.417

■ 89, 46.214,
170.067

■ 91, 30.517,
172.636

■ 88, 52.865,
168.566

■ 93, 21.776,
173.754

■ 87, 58.566,
166.886

■ 94, 12.651,
174.796

■ 87, 63.278,
165.008

■ 96, 3.289, 175.873

■ 98, 4.006, 341.875

■ 87, 67.052,
162.927

■ 98, 5.561, 324.580

■ 86, 69.142,
161.503

Harmonies

Complementary

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



90, 38.716, 171.417



70, 44.189, 1.555

Rectangle

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



90, 38.716, 171.417



90, 38.716, 221.417



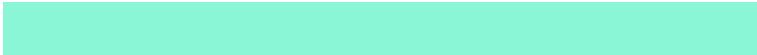
90, 38.716, 351.417



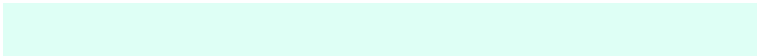
90, 38.716, 41.417

Sweetspot

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



90, 38.717, 171.416



97, 12.560, 174.843



90, 60.926, 133.527



52, 8.770, 174.617



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, 38.717, 171.416



92, 46.460, 170.263



85, 27.611, 222.150



50, 5.327, 175.203



67, 55.709, 161.914



21, 23.555, 165.218

Inverse Universe

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



70, 44.189, 1.555



68, 54.377, 3.296



74, 38.145, 39.572



48, 5.477, 356.872



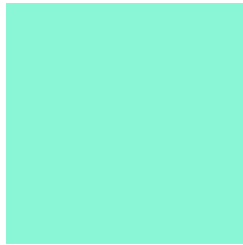
39, 69.261, 21.225



9, 29.680, 11.273

Previews

White Background



This preview shows how the CIE LCh color 90, 38.716, 171.417 looks on a white background.

Color Contrast Check

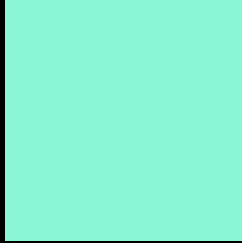
Large Text (above 18pt) WCAG AA × Fail

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, 38.716, 171.417 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, 38.716, 171.417

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.716, 171.417.

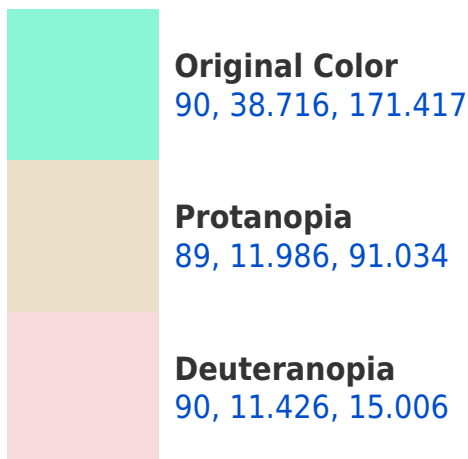


This preview shows how white text looks on a background with the CIELCh color 90, 38.716, 171.417.

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



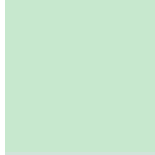


Tritanopia
90, 24.531, 219.326

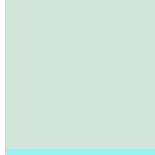
Trichromacy



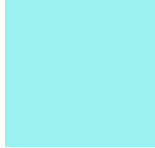
Original Color
90, 38.716, 171.417



Protanomaly
89, 18.093, 150.002



Deuteranomaly
89, 8.595, 161.630

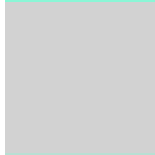


Tritanomaly
90, 27.442, 196.553

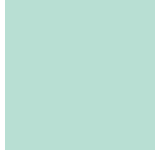
Monochromacy



Original Color
90, 38.716, 171.417



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 15.171, 173.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.716, 171.417 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(139, 246, 214)` looks like.

```
.text, #text, p{  
    color:rgb(139, 246, 214)  
}
```

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(139, 246, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 246, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.716, 171.417 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(139, 246, 214) }
```

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

```
.border{ border-color:rgb(139, 246, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 246, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 246, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 246, 214);  
box-shadow:4px 4px 4px 4px rgb(139, 246,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.716, 171.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 246, 214) }
```

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

```
.background{ background-color: rgb(139,  
246, 214) }
```

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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