

Converting Colors

CIELCh(98, 51.609, 167.786)

Have a look what the booklet for
CIELCh(98, 51.609, 167.786)
contains.

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Color

CIELCh(92, 42.081, 175.824)

Conversions

Conversions Part 1

Format	Color
Hex	80FEE1
RGB	128, 254, 225
RGB Percent	50%, 100%, 88%
CMY	0.4992, 0.0050, 0.1185
CMYK	0.50, 0.00, 0.11, 0.00
HSL	166°, 98%, 75%
HSV	166°, 50%, 100%
XYZ	57.7745, 80.7044, 83.6061
YIQ	213.0200, -65.7870, -35.7310

Conversions

Conversions Part 2

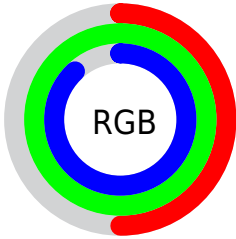
Format	Color
RYB	128, 199, 254
Decimal	8453857
CIELab	92.00, -41.97, 3.06
CIELCh	92, 42.081, 175.824
Yxy	80.7044, 0.2601, 0.3634
Android (android.graphics.Color)	4286643937 (0xFF80FEE1)
YUV	213.0200, 5.9061, -74.5625
Hunter-Lab	89.8356, -42.4166, 7.7064

Details

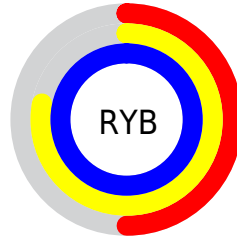
The CIELCh color **92, 42.081, 175.824** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 51.225, 7.986**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **72, 42.138, 175.736** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.570, 174.495**, and if you desaturate by 10%, it is **93, 34.726, 177.032**.

Distribution



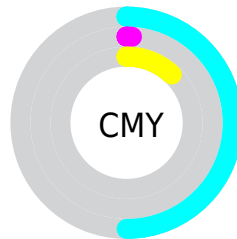
- Red (50%)
- Green (100%)
- Blue (88%)



- Red (50%)
- Yellow (78%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (50%)
- Magenta (1%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 42.081, 175.824 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 92, 42.081, 175.824 by changing the saturation by 10% instead.


 92, 42.081,
175.824


 92, 42.081,
175.824


 100, 42.081,
175.824


 82, 42.081,
175.824

 72, 42.081,
175.824

 62, 42.081,
175.824

 52, 42.081,
175.824

 42, 42.081,
175.824

 32, 42.081,
175.824

 22, 42.081,

175.824

■ 12, 42.081,
175.824

■ 2, 42.081, 175.824

■ 92, 42.081,
175.824

■ 92, 42.081,
175.824

■ 91, 48.570,
174.495

■ 93, 34.726,
177.032

■ 90, 54.078,
173.024

■ 94, 26.651,
178.146

■ 90, 58.548,
171.386

■ 96, 18.017,
179.187

■ 89, 62.006,
169.563

■ 98, 8.981, 180.187

■ 100, 0.315,

■ 89, 64.634,
167.580

359.132

■ 89, 64.716,
167.515

100, 0.793,
324.079

Harmonies

Complementary

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



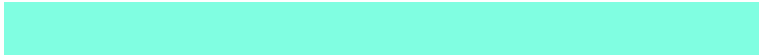
92, 42.081, 175.824



69, 51.225, 7.986

Rectangle

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



92, 42.081, 175.824



92, 42.081, 225.824



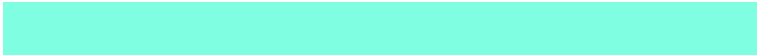
92, 42.081, 355.824



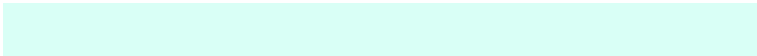
92, 42.081, 45.824

Sweetspot

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



92, 42.082, 175.823



97, 13.894, 179.655



91, 72.277, 135.019



51, 9.450, 179.444



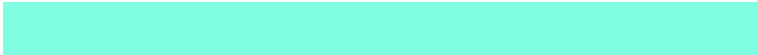
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 42.082, 175.823



91, 48.961, 174.447



83, 31.140, 233.022



52, 5.303, 180.203



69, 52.058, 167.884



23, 23.115, 170.578

Inverse Universe

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



69, 51.225, 7.986



64, 62.050, 10.603



75, 44.254, 45.878



50, 5.490, 1.854



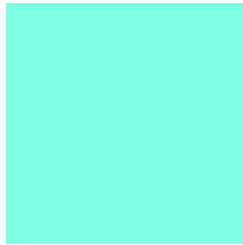
40, 73.525, 27.282



10, 31.811, 17.157

Previews

White Background



This preview shows how the CIE LCh color 92, 42.081, 175.824 looks on a white background.

Color Contrast Check

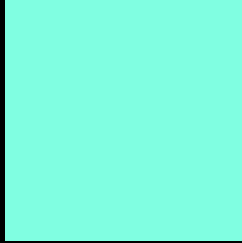
Large Text (above 18pt) WCAG AA × Fail

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 92, 42.081, 175.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

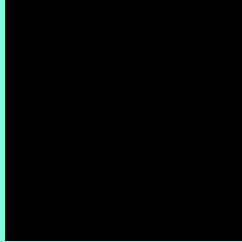
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 92, 42.081, 175.824

Background



This preview shows how black text looks on a background with the CIELCh color 92, 42.081, 175.824.

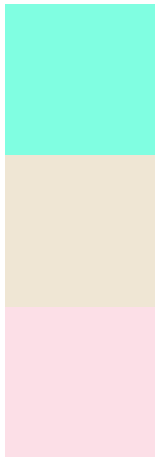


This preview shows how white text looks on a background with the CIELCh color 92, 42.081, 175.824.

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

92, 42.085, 175.801

Protanopia

92, 9.845, 89.683

Deuteranopia

91, 11.277, 358.730

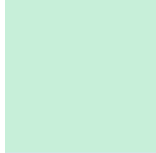


Tritanopia
92, 20.942, 217.097

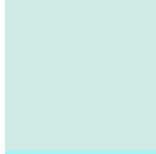
Trichromacy



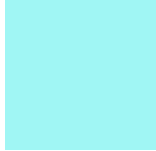
Original Color
92, 42.085, 175.801



Protanomaly
91, 18.265, 159.669

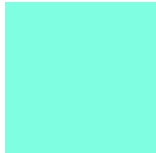


Deuteranomaly
91, 9.801, 183.423

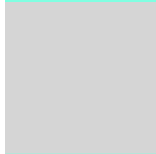


Tritanomaly
92, 27.240, 195.486

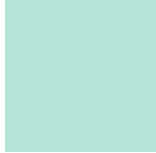
Monochromacy



Original Color
92, 42.085, 175.801



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.025, 178.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 42.081, 175.824 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(128, 254, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 254, 225)  
}
```

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(128, 254, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 254, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 42.081, 175.824 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(128, 254, 225) }
```

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

```
.border{ border-color:rgb(128, 254, 225) }
```

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

Here you see how a box with a 4 pixel rgb(128, 254, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 254, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 254, 225);  
box-shadow:4px 4px 4px 4px rgb(128, 254,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 42.081, 175.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 254, 225) }
```

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

```
.background{ background-color: rgb(128,  
254, 225) }
```

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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