

Converting Colors

CIELCh(93, 41.727, 174.455)

Have a look what the booklet for
CIELCh(93, 41.727, 174.455)
contains.

CIELCh(93, 40.993, 175.321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(93, 40.993, 175.321)

Conversions

Conversions Part 1

Format	Color
Hex	87FFE3
RGB	135, 255, 227
RGB Percent	53%, 100%, 89%
CMY	0.4700, 0.0000, 0.1094
CMYK	0.47, 0.00, 0.11, 0.00
HSL	166°, 100%, 77%
HSV	166°, 47%, 100%
XYZ	60.0223, 82.9670, 85.6001
YIQ	215.9280, -62.5320, -34.1480

Conversions

Conversions Part 2

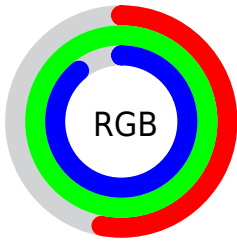
Format	Color
R_{YB}	135, 203, 255
Decimal	8912867
CIE _{Lab}	93.00, -40.86, 3.34
CIE _{LCh}	93, 40.993, 175.321
Yxy	82.9670, 0.2626, 0.3630
Android (android.graphics.Color)	4287102947 (0xFF87FFE3)
YUV	215.9280, 5.4585, -70.9739
Hunter-Lab	91.0862, -41.7763, 8.0414

Details

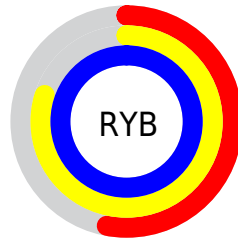
The CIELCh color **93, 40.993, 175.321** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 48.607, 7.185**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **73, 40.574, 175.891** is the 20% darker color. If you saturate the color by 10%, you get **92, 47.232, 174.621**, and if you desaturate by 10%, it is **94, 32.828, 177.107**.

Distribution



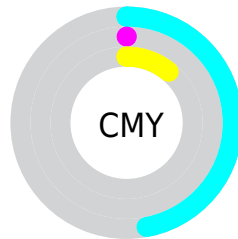
- Red (53%)
- Green (100%)
- Blue (89%)



- Red (53%)
- Yellow (80%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 40.993, 175.321 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 93, 40.993, 175.321 by changing the saturation by 10% instead.


 93, 40.993,
175.321


 93, 40.993,
175.321


 100, 40.993,
175.321


 83, 40.993,
175.321

 73, 40.993,
175.321

 63, 40.993,
175.321

 53, 40.993,
175.321

 43, 40.993,
175.321

 33, 40.993,
175.321

 23, 40.993,

175.321

■ 13, 40.993,
175.321

■ 3, 40.993, 175.321

■ 93, 40.993,
175.321

■ 93, 40.993,
175.321

■ 92, 47.232,
174.621

■ 94, 32.828,
177.107

■ 91, 53.061,
173.183

■ 95, 24.533,
178.204

■ 90, 57.858,
171.582

■ 97, 15.722,
179.233

■ 90, 61.624,
169.798

■ 99, 6.551, 180.240

100, 0.012,

■ 90, 64.462,
167.830

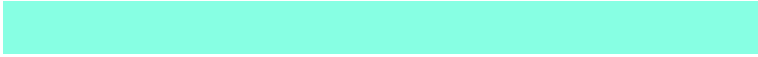
296.813

■ 90, 65.218,
167.229

Harmonies

Complementary

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



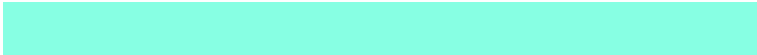
93, 40.993, 175.321



70, 48.607, 7.185

Rectangle

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



93, 40.993, 175.321



93, 40.993, 225.321



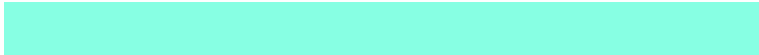
93, 40.993, 355.321



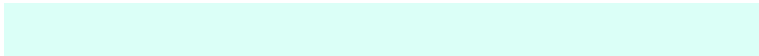
93, 40.993, 45.321

Sweetspot

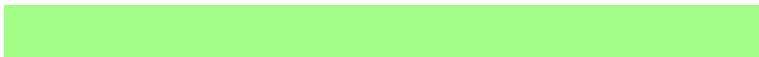
The Sweet Spot groups the original color and five complimentary colors.



93, 40.446, 175.921



97, 13.006, 179.532



92, 68.898, 135.189



52, 8.952, 179.317



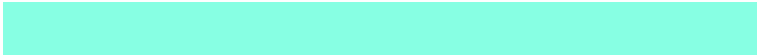
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 40.446, 175.921



92, 46.598, 174.756



85, 29.937, 232.514



52, 5.311, 179.981



69, 52.257, 167.605



23, 23.192, 170.316

Inverse Universe

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



70, 48.607, 7.185



66, 58.027, 9.287



76, 41.599, 45.881



50, 5.497, 1.635



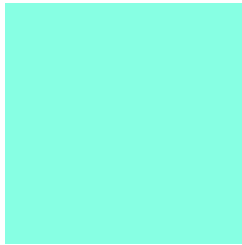
40, 73.389, 27.042



10, 31.795, 16.991

Previews

White Background



This preview shows how the CIE LCh color 93, 40.993, 175.321 looks on a white background.

Color Contrast Check

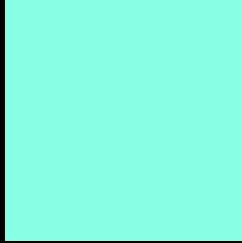
Large Text (above 18pt) WCAG AA × Fail

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 93, 40.993, 175.321 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

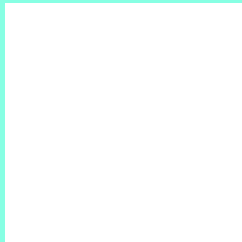
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 40.993, 175.321

Background



This preview shows how black text looks on a background with the CIELCh color 93, 40.993, 175.321.

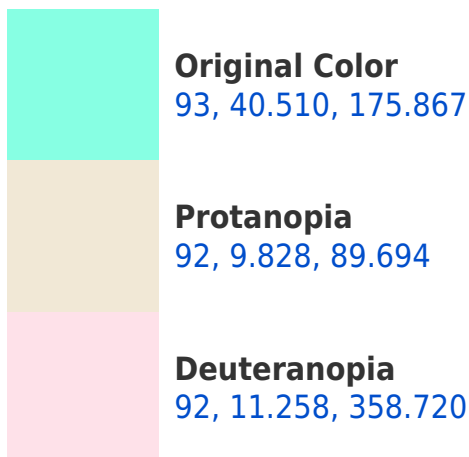



This preview shows how white text looks on a background with the CIELCh color 93, 40.993, 175.321.

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
92, 18.480, 219.855

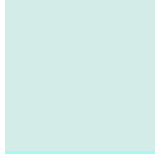
Trichromacy



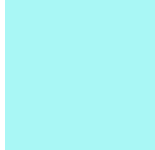
Original Color
93, 40.510, 175.867



Protanomaly
92, 17.107, 158.939



Deuteranomaly
92, 9.134, 182.363

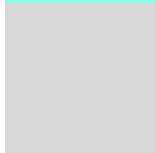


Tritanomaly
92, 25.043, 195.443

Monochromacy



Original Color
93, 40.510, 175.867



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 15.866, 179.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 40.993, 175.321 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(135, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 227)  
}
```

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(135, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 40.993, 175.321 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(135, 255, 227) }
```

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

```
.border{ border-color:rgb(135, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(135, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 40.993, 175.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 227) }
```

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

```
.background{ background-color: rgb(135,  
255, 227) }
```

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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