

Converting Colors

CIELCh(100, 56.796, 160.033)

Have a look what the booklet for
CIELCh(100, 56.796, 160.033)
contains.

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Color

CIELCh(93, 43.040, 168.011)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFD8
RGB	140, 255, 216
RGB Percent	55%, 100%, 85%
CMY	0.4496, 0.0000, 0.1518
CMYK	0.45, 0.00, 0.15, 0.00
HSL	160°, 100%, 78%
HSV	160°, 45%, 100%
XYZ	59.5013, 82.9670, 78.0478
YIQ	216.1690, -56.0210, -36.5090

Conversions

Conversions Part 2

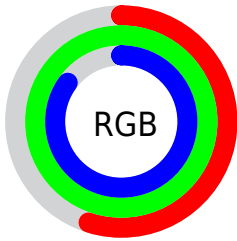
Format	Color
R_{YB}	140, 209, 255
Decimal	9240536
CIE _{Lab}	93.00, -42.10, 8.94
CIE _{LCh}	93, 43.040, 168.011
Yxy	82.9670, 0.2698, 0.3762
Android (android.graphics.Color)	4287430616 (0xFF8CFFD8)
YUV	216.1690, -0.0833, -66.8002
Hunter-Lab	91.0862, -42.7973, 12.9574

Details

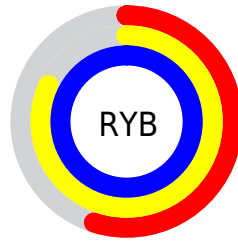
The CIELCh color **93, 43.040, 168.011** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72, 47.585, 359.082**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **73, 42.735, 168.138** is the 20% darker color. If you saturate the color by 10%, you get **92, 50.304, 167.160**, and if you desaturate by 10%, it is **94, 33.651, 169.831**.

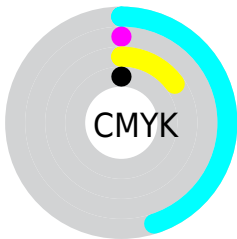
Distribution



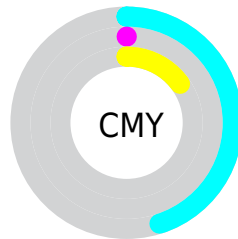
- Red (55%)
- Green (100%)
- Blue (85%)



- Red (55%)
- Yellow (82%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 43.040, 168.011 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, 43.040, 168.011 by changing the saturation by 10% instead.


 93, 43.040,
168.011


 93, 43.040,
168.011


 100, 43.040,
168.011


 83, 43.040,
168.011

 73, 43.040,
168.011

 63, 43.040,
168.011

 53, 43.040,
168.011

 43, 43.040,
168.011

 33, 43.040,
168.011

 23, 43.040,

168.011

■ 13, 43.040,
168.011

■ 3, 43.040, 168.011

■ 93, 43.040,
168.011

■ 93, 43.040,
168.011

■ 92, 50.304,
167.160

■ 94, 33.651,
169.831

■ 91, 57.397,
165.585

■ 95, 24.410,
170.978

■ 90, 63.513,
163.817

■ 97, 14.785,
172.036

■ 90, 68.619,
161.840

■ 99, 4.928, 173.073

100, 0.012,

■ 89, 72.778,
159.657

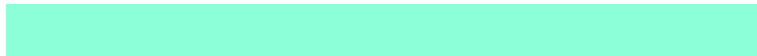
296.813

■ 89, 74.628,
158.520

Harmonies

Complementary

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



93, 43.040, 168.011



72, 47.585, 359.082

Rectangle

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



93, 43.040, 168.011



93, 43.040, 218.011



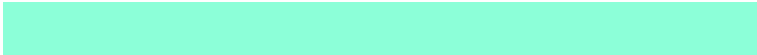
93, 43.040, 348.011



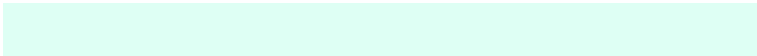
93, 43.040, 38.011

Sweetspot

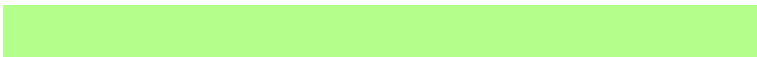
The Sweet Spot groups the original color and five complimentary colors.



93, 42.338, 168.567



97, 12.866, 172.236



93, 63.782, 131.938



52, 8.988, 172.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

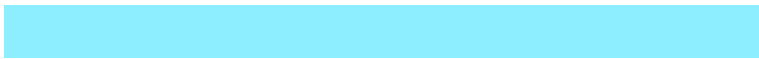
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 42.338, 168.567



92, 49.574, 167.302



89, 29.877, 215.300



52, 5.639, 172.591



69, 59.677, 158.944



23, 26.097, 162.042

Inverse Universe

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



72, 47.585, 359.082



67, 56.871, 0.901



74, 42.193, 35.291



50, 5.778, 354.259



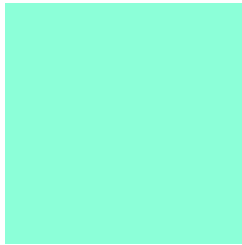
40, 69.543, 17.800



10, 31.336, 9.981

Previews

White Background



This preview shows how the CIE LCh color 93, 43.040, 168.011 looks on a white background.

Color Contrast Check

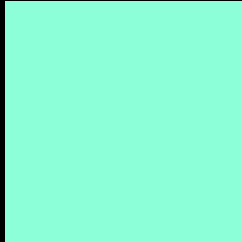
Large Text (above 18pt) WCAG AA × Fail

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, 43.040, 168.011 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, 43.040, 168.011

Background



This preview shows how black text looks on a background with the CIELCh color 93, 43.040, 168.011.

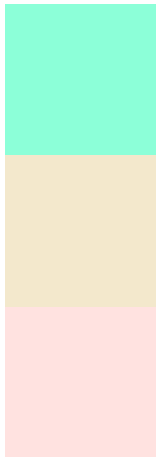


This preview shows how white text looks on a background with the CIELCh color 93, 43.040, 168.011.

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
93, 42.509, 168.441

Protanopia
92, 14.979, 93.025

Deuteranopia
92, 10.673, 25.603

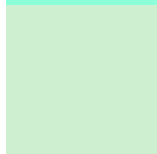


Tritanopia
92, 18.204, 220.211

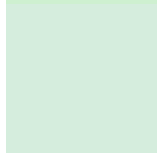
Trichromacy



Original Color
93, 42.509, 168.441



Protanomaly
92, 20.661, 145.182



Deuteranomaly
92, 11.962, 154.957



Tritanomaly
92, 24.914, 190.622

Monochromacy



Original Color
93, 42.509, 168.441



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 16.505, 171.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 43.040, 168.011 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(140, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 216)  
}
```

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(140, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 43.040, 168.011 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(140, 255, 216) }
```

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

```
.border{ border-color:rgb(140, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 43.040, 168.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 216) }
```

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

```
.background{ background-color: rgb(140,  
255, 216) }
```

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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