

Converting Colors

CIELCh(93, 40.373, 178.409)

Have a look what the booklet for
CIELCh(93, 40.373, 178.409)
contains.

CIELCh(93, 39.953, 178.737)	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, 39.953, 178.737)

Conversions

Conversions Part 1

Format	Color
Hex	86FFE8
RGB	134, 255, 232
RGB Percent	53%, 100%, 91%
CMY	0.4749, 0.0000, 0.0907
CMYK	0.47, 0.00, 0.09, 0.00
HSL	169°, 100%, 76%
HSV	169°, 47%, 100%
XYZ	60.4064, 82.9670, 89.0730
YIQ	216.1990, -64.7330, -32.8050

Conversions

Conversions Part 2

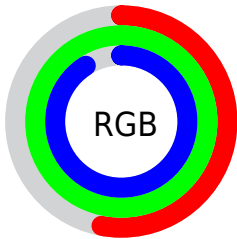
Format	Color
R_{YB}	134, 201, 255
Decimal	8847336
CIE _{Lab}	93.00, -39.94, 0.88
CIE _{LCh}	93, 39.953, 178.737
Yxy	82.9670, 0.2599, 0.3569
Android (android.graphics.Color)	4287037416 (0xFF86FFE8)
YUV	216.1990, 7.7899, -72.0885
Hunter-Lab	91.0862, -41.0236, 5.7808

Details

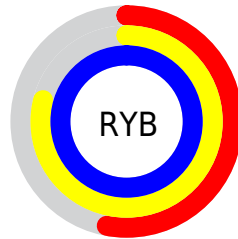
The CIELCh color **93, 39.953, 178.737** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **70, 48.982, 10.451**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **73, 39.809, 178.842** is the 20% darker color. If you saturate the color by 10%, you get **92, 45.913, 178.045**, and if you desaturate by 10%, it is **94, 32.306, 180.364**.

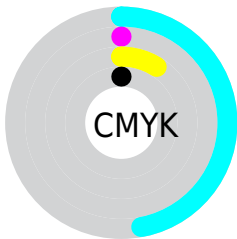
Distribution



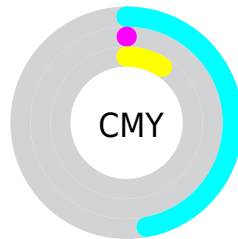
- Red (53%)
- Green (100%)
- Blue (91%)



- Red (53%)
- Yellow (79%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 39.953, 178.737 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, 39.953, 178.737 by changing the saturation by 10% instead.


 93, 39.953,
178.737


 93, 39.953,
178.737


 100, 39.953,
178.737


 83, 39.953,
178.737

 73, 39.953,
178.737

 63, 39.953,
178.737

 53, 39.953,
178.737

 43, 39.953,
178.737

 33, 39.953,
178.737

 23, 39.953,

178.737

■ 13, 39.953,
178.737

■ 3, 39.953, 178.737

■ 93, 39.953,
178.737

■ 93, 39.953,
178.737

■ 92, 45.913,
178.045

■ 94, 32.306,
180.364

■ 91, 51.290,
176.721

■ 95, 24.342,
181.402

■ 91, 55.613,
175.255

■ 97, 15.813,
182.387

■ 90, 58.892,
173.626

■ 99, 6.873, 183.360

100, 0.012,

■ 90, 61.245,
171.830

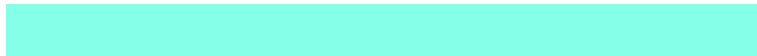
296.813

■ 90, 61.764,
171.371

Harmonies

Complementary

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



93, 39.953, 178.737



70, 48.982, 10.451

Rectangle

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



93, 39.953, 178.737



93, 39.953, 228.737



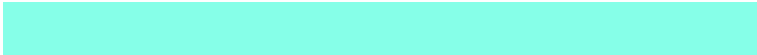
93, 39.953, 358.737



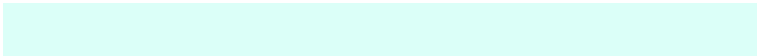
93, 39.953, 48.737

Sweetspot

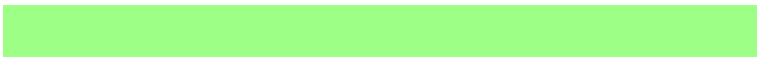
The Sweet Spot groups the original color and five complimentary colors.



93, 39.545, 179.252



97, 12.735, 182.723



92, 70.280, 136.032



52, 8.760, 182.515



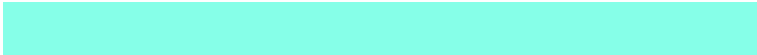
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 39.545, 179.252



92, 45.625, 178.107



83, 30.398, 237.618



52, 5.206, 183.158



69, 49.537, 171.714



23, 22.138, 174.161

Inverse Universe

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



70, 48.982, 10.451



65, 59.113, 12.760



77, 41.571, 49.110



50, 5.413, 4.764



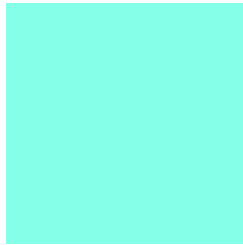
40, 75.389, 30.259



10, 32.037, 19.176

Previews

White Background



This preview shows how the CIE LCh color 93, 39.953, 178.737 looks on a white background.

Color Contrast Check

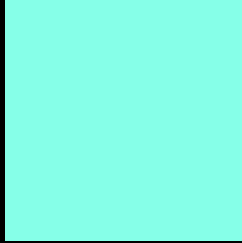
Large Text (above 18pt) WCAG AA × Fail

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, 39.953, 178.737 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, 39.953, 178.737

Background



This preview shows how black text looks on a background with the CIELCh color 93, 39.953, 178.737.

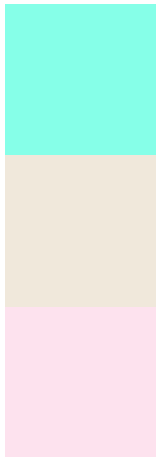


This preview shows how white text looks on a background with the CIELCh color 93, 39.953, 178.737.

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, 39.493, 179.337

Protanopia
92, 7.286, 85.976

Deuteranopia
92, 11.499, 347.667



Tritanopia
93, 18.623, 217.938

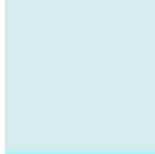
Trichromacy



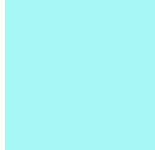
Original Color
93, 39.493, 179.337



Protanomaly
92, 16.056, 167.320



Deuteranomaly
92, 9.336, 195.660

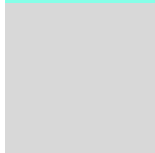


Tritanomaly
92, 25.163, 197.828

Monochromacy



Original Color
93, 39.493, 179.337



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 15.792, 182.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 39.953, 178.737 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(134, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 232)  
}
```

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(134, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 39.953, 178.737 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(134, 255, 232) }
```

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

```
.border{ border-color:rgb(134, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 39.953, 178.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 232) }
```

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

```
.background{ background-color: rgb(134,  
255, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor