

Converting Colors

CIELCh(93, 34.686, 197.275)

Have a look what the booklet for
CIELCh(93, 34.686, 197.275)
contains.

CIELCh(93, 34.788, 196.412)	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, 34.788, 196.412)

Conversions

Conversions Part 1

Format	Color
Hex	89FEFD
RGB	137, 254, 253
RGB Percent	54%, 100%, 99%
CMY	0.4644, 0.0055, 0.0095
CMYK	0.46, 0.00, 0.00, 0.01
HSL	179°, 98%, 77%
HSV	179°, 46%, 99%
XYZ	63.2198, 82.9670, 105.2655
YIQ	218.9030, -69.4110, -25.1150

Conversions

Conversions Part 2

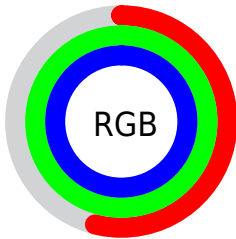
Format	Color
RYB	137, 196, 254
Decimal	9043709
CIELab	93.00, -33.37, -9.83
CIELCh	93, 34.788, 196.412
Yxy	82.9670, 0.2514, 0.3300
Android (android.graphics.Color)	4287233789 (0xFF89FEFD)
YUV	218.9030, 16.8098, -71.8289
Hunter-Lab	91.0862, -35.5103, -4.7592

Details

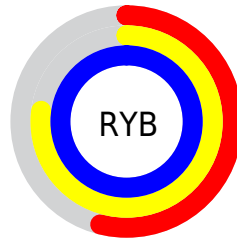
The CIELCh color **93, 34.788, 196.412** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 48.479, 23.849**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.012, 198.250**, and **73, 34.840, 195.928** is the 20% darker color. If you saturate the color by 10%, you get **92, 39.993, 196.046**, and if you desaturate by 10%, it is **94, 28.591, 196.830**.

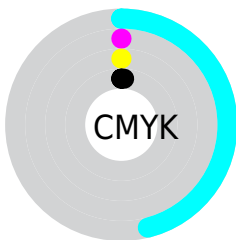
Distribution



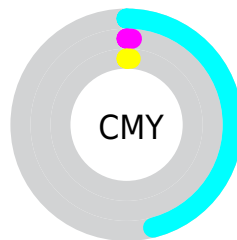
- Red (54%)
- Green (100%)
- Blue (99%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (46%)
- Magenta (1%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 34.788, 196.412 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, 34.788, 196.412 by changing the saturation by 10% instead.

 93, 34.788,
196.412


 93, 34.788,
196.412


 100, 34.788,
196.412


 83, 34.788,
196.412

 73, 34.788,
196.412

 63, 34.788,
196.412

 53, 34.788,
196.412

 43, 34.788,
196.412

 33, 34.788,
196.412

 23, 34.788,

196.412

■ 13, 34.788,
196.412

■ 3, 34.788, 196.412

■ 93, 34.788,
196.412

■ 93, 34.788,
196.412

■ 92, 39.993,
196.046

■ 94, 28.591,
196.830

■ 92, 44.117,
195.739

■ 95, 21.527,
197.304

■ 91, 47.127,
195.486

■ 97, 13.736,
197.834

■ 91, 49.053,
195.281

■ 98, 5.366, 198.461

■ 100, 0.499, 13.231

■ 91, 50.011,
195.116

100, 0.523, 1.195

■ 91, 50.222,
195.059

100, 0.569,
350.657

100, 0.630,
341.921

100, 0.703,
334.869

Harmonies

Complementary

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



93, 34.788, 196.412



70, 48.479, 23.849

Rectangle

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



93, 34.788, 196.412



93, 34.788, 246.412



93, 34.788, 16.412



93, 34.788, 66.412

Sweetspot

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



93, 34.788, 196.410



98, 12.041, 197.956



91, 71.901, 140.380



52, 8.261, 197.833



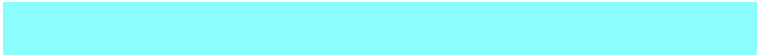
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 34.788, 196.410



93, 39.626, 196.084



77, 34.175, 262.092



52, 4.949, 198.229



70, 40.617, 195.081



24, 18.671, 195.237

Inverse Universe

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



70, 48.479, 23.849



66, 59.428, 25.790



82, 39.700, 67.908



49, 5.253, 19.252



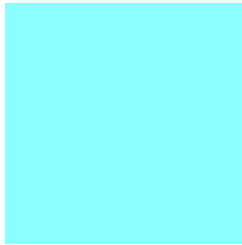
40, 83.836, 39.661



10, 33.296, 26.837

Previews

White Background



This preview shows how the CIE LCh color 93, 34.788, 196.412 looks on a white background.

Color Contrast Check

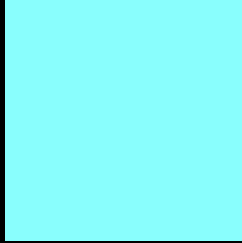
Large Text (above 18pt) WCAG AA × Fail

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, 34.788, 196.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

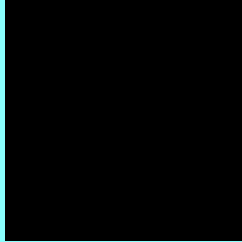
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 34.788, 196.412

Background



This preview shows how black text looks on a background with the CIELCh color 93, 34.788, 196.412.



This preview shows how white text looks on a background with the CIELCh color 93, 34.788, 196.412.

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
93, 18.064, 218.599

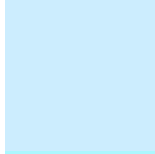
Trichromacy



Original Color
93, 34.788, 196.412



Protanomaly
92, 13.575, 209.629



Deuteranomaly
92, 13.808, 238.616

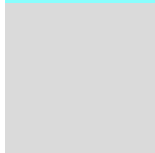


Tritanomaly
93, 24.122, 206.636

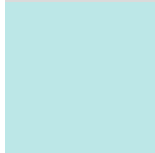
Monochromacy



Original Color
93, 34.788, 196.412



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 14.563, 198.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 34.788, 196.412 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(137, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(137, 254, 253)  
}
```

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(137, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 254, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 34.788, 196.412 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(137, 254, 253) }
```

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

```
.border{ border-color:rgb(137, 254, 253) }
```

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

Here you see how a box with a 4 pixel rgb(137, 254, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(137, 254,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 34.788, 196.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 254, 253) }
```

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

```
.background{ background-color: rgb(137,  
254, 253) }
```

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