

Converting Colors

CIELCh(100, 43.091, 210.469)

Have a look what the booklet for
CIELCh(100, 43.091, 210.469)
contains.

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Color

CIElCh(93, 39.818, 196.983)

Conversions

Conversions Part 1

Format	Color
Hex	72FFFF
RGB	114, 255, 255
RGB Percent	45%, 100%, 100%
CMY	0.5528, 0.0000, 0.0000
CMYK	0.55, 0.00, 0.00, 0.00
HSL	180°, 100%, 72%
HSV	180°, 55%, 100%
XYZ	61.1946, 82.9670, 108.1682
YIQ	212.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

Format	Color
RYB	114, 185, 255
Decimal	7536639
CIELab	93.00, -38.08, -11.63
CIELCh	93, 39.818, 196.983
Yxy	82.9670, 0.2425, 0.3288
Android (android.graphics.Color)	4285726719 (0xFF72FFFF)
YUV	212.8410, 20.7844, -86.6836
Hunter-Lab	91.0862, -39.4789, -6.6487

Details

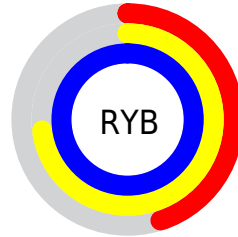
The CIELCh color **93, 39.818, 196.983** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 59.974, 26.455**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **73, 39.741, 196.503** is the 20% darker color. If you saturate the color by 10%, you get **92, 43.820, 196.749**, and if you desaturate by 10%, it is **94, 34.349, 197.308**.

Distribution



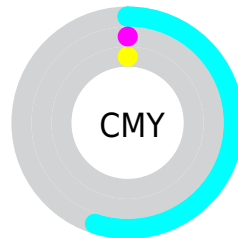
- Red (45%)
- Green (100%)
- Blue (100%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 39.818, 196.983 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, 39.818, 196.983 by changing the saturation by 10% instead.


 93, 39.818,
196.983


 93, 39.818,
196.983


 100, 39.818,
196.983


 83, 39.818,
196.983

 73, 39.818,
196.983

 63, 39.818,
196.983

 53, 39.818,
196.983

 43, 39.818,
196.983

 33, 39.818,
196.983

 23, 39.818,

196.983

■ 13, 39.818,
196.983

■ 3, 39.818, 196.983

■ 93, 39.818,
196.983

■ 93, 39.818,
196.983

■ 92, 43.820,
196.749

■ 94, 34.349,
197.308

■ 92, 46.893,
196.571

■ 95, 28.080,
197.687

■ 91, 48.874,
196.457

■ 96, 20.943,
198.128

■ 91, 49.873,
196.400

■ 97, 13.081,
198.632

91, 50.115,
196.386

99, 4.641, 199.254
100, 0.012,
296.813

Harmonies

Complementary

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



93, 39.818, 196.983



65, 59.974, 26.455

Rectangle

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



93, 39.818, 196.983



93, 39.818, 246.983



93, 39.818, 16.983



93, 39.818, 66.983

Sweetspot

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



93, 39.626, 196.995



97, 14.478, 198.541



90, 85.350, 139.695



51, 9.623, 198.436



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, 39.626, 196.995



92, 44.079, 196.734



73, 41.606, 266.659



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

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



70, 84.645, 327.285



66, 97.043, 327.673



80, 48.960, 68.394



50, 9.057, 324.947



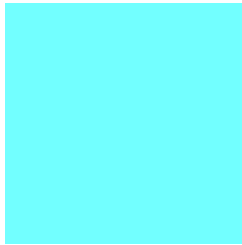
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 93, 39.818, 196.983 looks on a white background.

Color Contrast Check

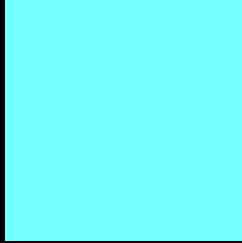
Large Text (above 18pt) WCAG AA × Fail

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, 39.818, 196.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

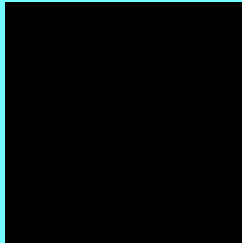
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 39.818, 196.983

Background



This preview shows how black text looks on a background with the CIELCh color 93, 39.818, 196.983.

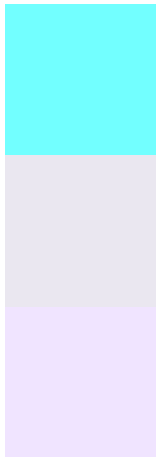


This preview shows how white text looks on a background with the CIELCh color 93, 39.818, 196.983.

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, 39.632, 196.994

Protanopia

92, 4.795, 303.238

Deuteranopia

92, 14.636, 307.609



Tritanopia
92, 20.010, 216.456

Trichromacy



Original Color
93, 39.632, 196.994



Protanomaly
92, 16.649, 207.387



Deuteranomaly
92, 16.564, 230.911

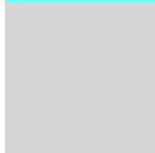


Tritanomaly
92, 27.547, 206.456

Monochromacy



Original Color
93, 39.632, 196.994



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 17.105, 198.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 39.818, 196.983 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(114, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 255)  
}
```

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(114, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 39.818, 196.983 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(114, 255, 255) }
```

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

```
.border{ border-color:rgb(114, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 39.818, 196.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 255) }
```

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

```
.background{ background-color: rgb(114,  
255, 255) }
```

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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