

Converting Colors

CIELCh(97, 93.923, 283.064)

Have a look what the booklet for
CIELCh(97, 93.923, 283.064)
contains.

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Color

CIELCh(90, 33.147, 208.373)

Conversions

Conversions Part 1

Format	Color
Hex	82F3FF
RGB	130, 243, 255
RGB Percent	51%, 95%, 100%
CMY	0.4889, 0.0458, 0.0000
CMYK	0.49, 0.05, 0.00, 0.00
HSL	186°, 100%, 76%
HSV	186°, 49%, 100%
XYZ	59.5034, 76.3034, 106.4682
YIQ	210.5810, -71.2000, -20.2240

Conversions

Conversions Part 2

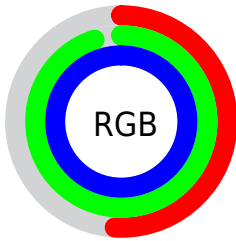
Format	Color
RYB	130, 189, 255
Decimal	8582143
CIELab	90.00, -29.17, -15.75
CIElCh	90, 33.147, 208.373
Yxy	76.3034, 0.2456, 0.3149
Android (android.graphics.Color)	4286772223 (0xFF82F3FF)
YUV	210.5810, 21.8986, -70.6695
Hunter-Lab	87.3518, -31.2727, -11.1190

Details

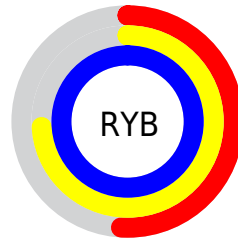
The CIELCh color **90, 33.147, 208.373** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 48.501, 31.296**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **70, 33.313, 207.516** is the 20% darker color. If you saturate the color by 10%, you get **88, 37.550, 208.545**, and if you desaturate by 10%, it is **92, 27.775, 207.796**.

Distribution



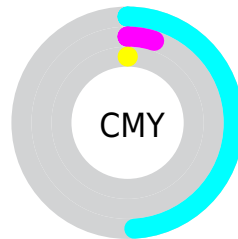
- Red (51%)
- Green (95%)
- Blue (100%)



- Red (51%)
- Yellow (74%)
- Blue (100%)



- Cyan (49%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 33.147, 208.373 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 90, 33.147, 208.373 by changing the saturation by 10% instead.


 90, 33.147,
208.373


 90, 33.147,
208.373


 100, 33.147,
208.373


 80, 33.147,
208.373

 70, 33.147,
208.373

 60, 33.147,
208.373

 50, 33.147,
208.373

 40, 33.147,
208.373

 30, 33.147,
208.373

 20, 33.147,

208.373

■ 10, 33.147,
208.373

■ 0, 33.147, 208.373

■ 90, 33.147,
208.373

■ 90, 33.147,
208.373

■ 88, 37.550,
208.545

■ 92, 27.775,
207.796

■ 87, 40.901,
209.253

■ 94, 21.550,
207.686

■ 86, 43.171,
210.232

■ 96, 14.606,
207.717

■ 85, 44.403,
211.517

■ 98, 7.078, 207.887

100, 0.012,

■ 84, 44.769,
213.114

296.813

■ 84, 44.789,
213.301

Harmonies

Complementary

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



90, 33.147, 208.373



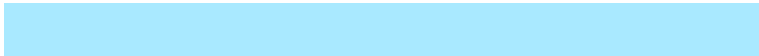
71, 48.501, 31.296

Rectangle

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



90, 33.147, 208.373



90, 33.147, 258.373



90, 33.147, 28.373



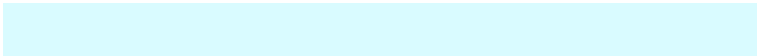
90, 33.147, 78.373

Sweetspot

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



90, 33.147, 208.072



96, 11.742, 207.764



91, 72.453, 142.609



51, 7.959, 207.736



0, 0.000, 0.000



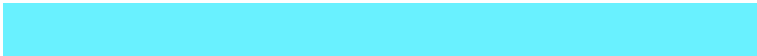
53, 0.007, 296.813

Same Dimension

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



90, 33.147, 208.072



88, 37.594, 208.552



73, 41.269, 273.216



52, 4.521, 207.871



65, 36.123, 212.976



21, 16.783, 210.760

Inverse Universe

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



72, 71.522, 329.927



68, 83.832, 330.479



85, 44.181, 77.256



50, 8.494, 327.609



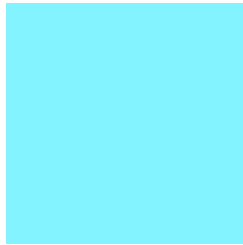
44, 86.472, 332.363



12, 40.135, 331.820

Previews

White Background



This preview shows how the CIE LCh color 90, 33.147, 208.373 looks on a white background.

Color Contrast Check

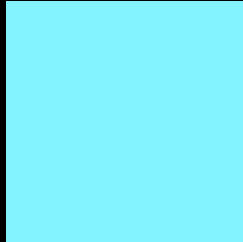
Large Text (above 18pt) WCAG AA × Fail

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 90, 33.147, 208.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

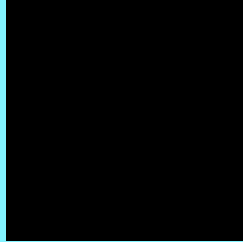
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 33.147, 208.373

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.147, 208.373.

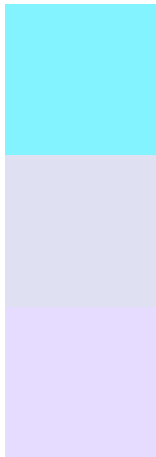


This preview shows how white text looks on a background with the CIELCh color 90, 33.147, 208.373.

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
90, 33.147, 208.373

Protanopia
89, 9.892, 290.985

Deuteranopia
89, 18.555, 301.097



Tritanopia
90, 26.400, 216.420

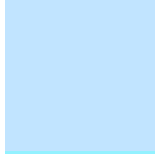
Trichromacy



Original Color
90, 33.147, 208.373



Protanomaly
89, 15.609, 231.088



Deuteranomaly
89, 17.774, 251.564

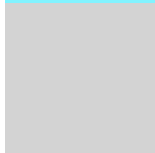


Tritanomaly
90, 28.910, 212.416

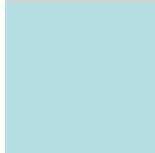
Monochromacy



Original Color
90, 33.147, 208.373



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 13.971, 207.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.147, 208.373 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(130, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 243, 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(130, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 243, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.147, 208.373 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(130, 243, 255) }
```

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

```
.border{ border-color:rgb(130, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 243,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.147, 208.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 243, 255) }
```

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

```
.background{ background-color: rgb(130,  
243, 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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