

Converting Colors

CIELCh(90, 34.001, 207.934)

Have a look what the booklet for
CIELCh(90, 34.001, 207.934)
contains.

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Color

CIELCh(90, 34.007, 207.131)

Conversions

Conversions Part 1

Format	Color
Hex	7FF4FF
RGB	127, 244, 255
RGB Percent	50%, 96%, 100%
CMY	0.5026, 0.0438, 0.0007
CMYK	0.50, 0.04, 0.00, 0.00
HSL	185°, 100%, 75%
HSV	185°, 50%, 100%
XYZ	59.0455, 76.3034, 106.0766
YIQ	210.2710, -73.2630, -21.3830

Conversions

Conversions Part 2

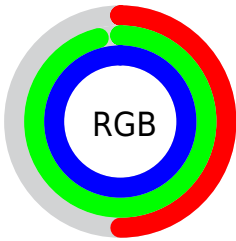
Format	Color
RYB	127, 188, 255
Decimal	8385791
CIELab	90.00, -30.27, -15.51
CIELCh	90, 34.007, 207.131
Yxy	76.3034, 0.2446, 0.3161
Android (android.graphics.Color)	4286575871 (0xFF7FF4FF)
YUV	210.2710, 22.0514, -73.0287
Hunter-Lab	87.3518, -32.2084, -10.8532

Details

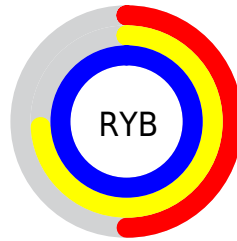
The CIELCh color **90, 34.007, 207.131** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 50.334, 30.926**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **70, 33.894, 207.294** is the 20% darker color. If you saturate the color by 10%, you get **89, 38.298, 207.558**, and if you desaturate by 10%, it is **92, 28.727, 206.890**.

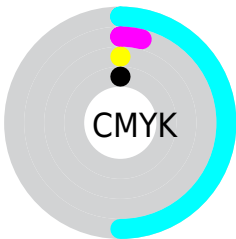
Distribution



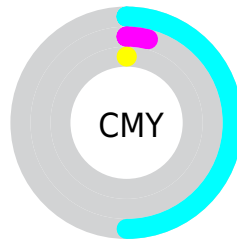
- Red (50%)
- Green (96%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (4%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 34.007, 207.131 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, 34.007, 207.131 by changing the saturation by 10% instead.


 90, 34.007,
207.131


 90, 34.007,
207.131


 100, 34.007,
207.131


 80, 34.007,
207.131


 70, 34.007,
207.131

 60, 34.007,
207.131

 50, 34.007,
207.131

 40, 34.007,
207.131

 30, 34.007,
207.131

 20, 34.007,

207.131

■ 10, 34.007,
207.131

■ 0, 34.007, 207.131

■ 90, 34.007,
207.131

■ 90, 34.007,
207.131

■ 89, 38.298,
207.558

■ 92, 28.727,
206.890

■ 87, 41.523,
208.208

■ 93, 22.572,
206.810

■ 86, 43.663,
209.115

■ 95, 15.674,
206.866

■ 85, 44.772,
210.306

■ 98, 8.170, 207.051

100, 0.190,

■ 85, 45.065,
211.734

210.720

100, 0.076,
109.157

Harmonies

Complementary

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



90, 34.007, 207.131



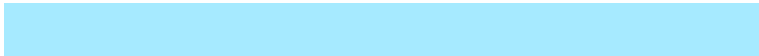
70, 50.334, 30.926

Rectangle

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



90, 34.007, 207.131



90, 34.007, 257.131



90, 34.007, 27.131



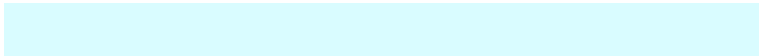
90, 34.007, 77.131

Sweetspot

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



90, 34.007, 207.129



97, 11.822, 206.944



91, 74.235, 142.449



51, 8.013, 206.908



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

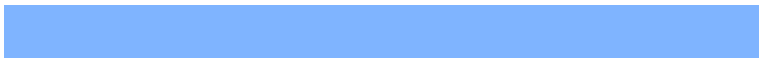
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 34.007, 207.129



89, 38.231, 207.545



73, 42.389, 273.591



52, 4.551, 207.071



65, 36.364, 211.441



22, 16.893, 209.442

Inverse Universe

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



71, 73.602, 329.742



67, 85.386, 330.259



84, 45.448, 77.062



50, 8.540, 327.375



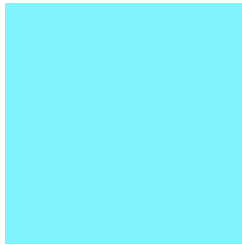
45, 87.001, 331.987



12, 40.351, 331.497

Previews

White Background



This preview shows how the CIE LCh color 90, 34.007, 207.131 looks on a white background.

Color Contrast Check

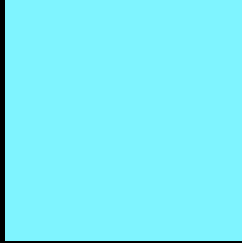
Large Text (above 18pt) WCAG AA × Fail

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, 34.007, 207.131 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, 34.007, 207.131

Background



This preview shows how black text looks on a background with the CIELCh color 90, 34.007, 207.131.

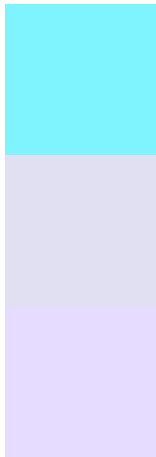


This preview shows how white text looks on a background with the CIELCh color 90, 34.007, 207.131.

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, 34.007, 207.131

Protanopia
90, 9.372, 290.944

Deuteranopia
89, 18.555, 301.097

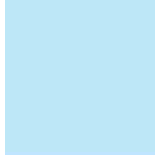


Tritanopia
90, 26.644, 216.232

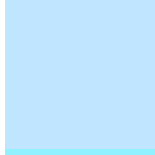
Trichromacy



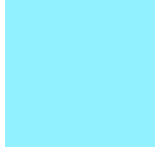
Original Color
90, 34.007, 207.131



Protanomaly
89, 15.870, 230.479



Deuteranomaly
89, 17.773, 248.796

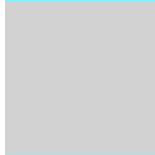


Tritanomaly
90, 29.379, 212.150

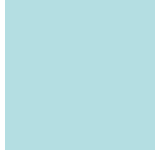
Monochromacy



Original Color
90, 34.007, 207.131



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 14.293, 206.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 34.007, 207.131 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(127, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 244, 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(127, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 244, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 34.007, 207.131 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(127, 244, 255) }
```

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

```
.border{ border-color:rgb(127, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(127, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 244,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 34.007, 207.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 244, 255) }
```

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

```
.background{ background-color: rgb(127,  
244, 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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