

Converting Colors

CIELCh(90, 30.023, 210.735)

Have a look what the booklet for
CIELCh(90, 30.023, 210.735)
contains.

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Color

CIElCh(90, 30.043, 210.737)

Conversions

Conversions Part 1

Format	Color
Hex	8FF2FF
RGB	143, 242, 255
RGB Percent	56%, 95%, 100%
CMY	0.4406, 0.0523, 0.0014
CMYK	0.44, 0.05, 0.00, 0.00
HSL	187°, 99%, 78%
HSV	187°, 44%, 100%
XYZ	60.9093, 76.3034, 105.8309
YIQ	213.8810, -63.1770, -16.9450

Conversions

Conversions Part 2

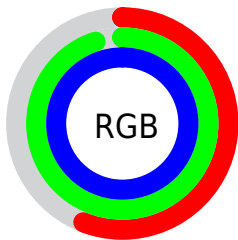
Format	Color
R_{YB}	143, 196, 255
Decimal	9433855
CIE _{Lab}	90.00, -25.82, -15.35
CIE _{LCh}	90, 30.043, 210.737
Yxy	76.3034, 0.2506, 0.3139
Android (android.graphics.Color)	4287623935 (0xFF8FF2FF)
YUV	213.8810, 20.2717, -62.1626
Hunter-Lab	87.3518, -28.3998, -10.6864

Details

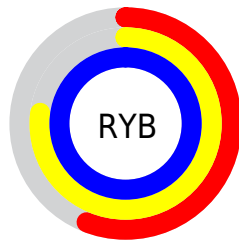
The CIELCh color **90, 30.043, 210.737** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **74, 42.081, 32.422**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **70, 30.036, 210.002** is the 20% darker color. If you saturate the color by 10%, you get **88, 34.852, 211.301**, and if you desaturate by 10%, it is **92, 24.341, 210.383**.

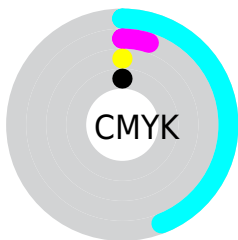
Distribution



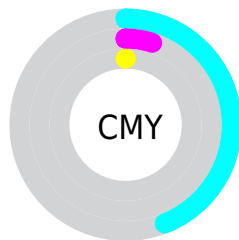
- Red (56%)
- Green (95%)
- Blue (100%)



- Red (56%)
- Yellow (77%)
- Blue (100%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (5%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 30.043, 210.737 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 90, 30.043, 210.737 by changing the saturation by 10% instead.


 90, 30.043,
210.737


 90, 30.043,
210.737


 100, 30.043,
210.737


 80, 30.043,
210.737


 70, 30.043,
210.737

 60, 30.043,
210.737

 50, 30.043,
210.737

 40, 30.043,
210.737

 30, 30.043,
210.737

 20, 30.043,

210.737

■ 10, 30.043,
210.737

■ 0, 30.043, 210.737

■ 90, 30.043,
210.737

■ 90, 30.043,
210.737

■ 88, 34.852,
211.301

■ 92, 24.341,
210.383

■ 87, 38.666,
212.127

■ 94, 17.870,
210.209

■ 85, 41.429,
213.261

■ 96, 10.763,
210.188

■ 84, 43.147,
214.752

■ 99, 3.148, 210.401

100, 0.165,

■ 83, 43.913,
216.639

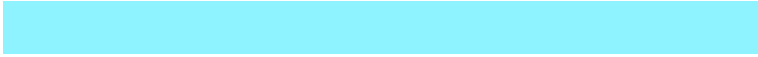
109.697

■ 82, 44.052,
217.940

Harmonies

Complementary

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



90, 30.043, 210.737



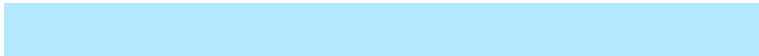
74, 42.081, 32.422

Rectangle

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



90, 30.043, 210.737



90, 30.043, 260.737



90, 30.043, 30.737



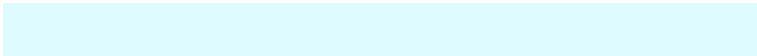
90, 30.043, 80.737

Sweetspot

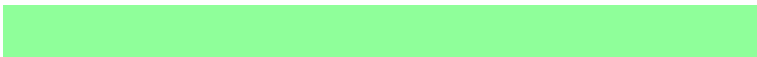
The Sweet Spot groups the original color and five complimentary colors.



90, 30.043, 210.735



97, 10.047, 210.194



91, 64.817, 143.646



51, 6.985, 210.182



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, 30.043, 210.735



89, 34.459, 211.235



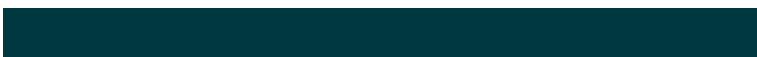
75, 37.878, 273.421



52, 4.437, 210.232



63, 35.559, 217.522



21, 16.510, 214.662

Inverse Universe

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



74, 63.924, 330.398



70, 75.604, 330.933



87, 39.823, 79.491



50, 8.363, 328.299



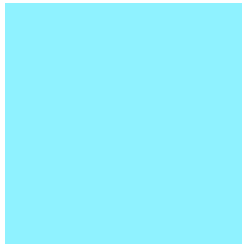
44, 84.971, 333.479



12, 39.520, 332.776

Previews

White Background



This preview shows how the CIE LCh color 90, 30.043, 210.737 looks on a white background.

Color Contrast Check

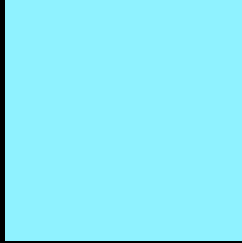
Large Text (above 18pt) WCAG AA × Fail

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 90, 30.043, 210.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

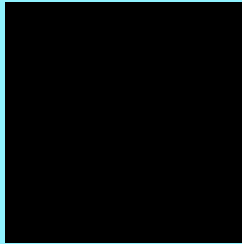
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 30.043, 210.737

Background



This preview shows how black text looks on a background with the CIELCh color 90, 30.043, 210.737.



This preview shows how white text looks on a background with the CIELCh color 90, 30.043, 210.737.

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



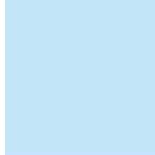


Tritanopia
90, 25.028, 218.858

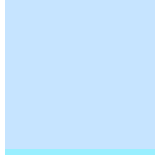
Trichromacy



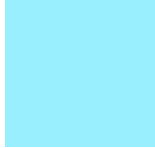
Original Color
90, 30.043, 210.737



Protanomaly
89, 14.602, 236.277



Deuteranomaly
89, 16.875, 255.770

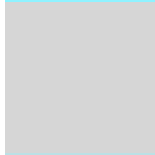


Tritanomaly
90, 26.886, 216.047

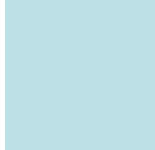
Monochromacy



Original Color
90, 30.043, 210.737



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 12.440, 210.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 30.043, 210.737 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(143, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 242, 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(143, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 242, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 30.043, 210.737 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(143, 242, 255) }
```

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

```
.border{ border-color:rgb(143, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 242,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 30.043, 210.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 242, 255) }
```

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

```
.background{ background-color: rgb(143,  
242, 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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