

Converting Colors

CIELCh(100, 69.451, 287.185)

Have a look what the booklet for
CIELCh(100, 69.451, 287.185)
contains.

CIELCh(96, 12.653, 212.842)	3
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Color

CIElCh(96, 12.653, 212.842)

Conversions

Conversions Part 1

Format	Color
Hex	D5FAFF
RGB	213, 250, 255
RGB Percent	84%, 98%, 100%
CMY	0.1638, 0.0186, 0.0000
CMYK	0.16, 0.02, 0.00, 0.00
HSL	187°, 100%, 92%
HSV	187°, 16%, 100%
XYZ	80.0217, 90.0078, 108.8266
YIQ	239.5070, -23.6570, -6.2890

Conversions

Conversions Part 2

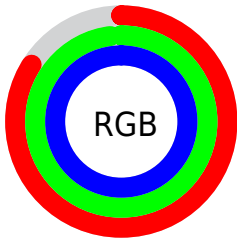
Format	Color
R _Y B	213, 233, 255
Decimal	14023423
CIE Lab	96.00, -10.63, -6.86
CIE LCh	96, 12.653, 212.842
Yxy	90.0078, 0.2870, 0.3228
Android (android.graphics.Color)	4292213503 (0xFFD5FAFF)
YUV	239.5070, 7.6380, -23.2466
Hunter-Lab	94.8724, -15.4681, -1.5999

Details

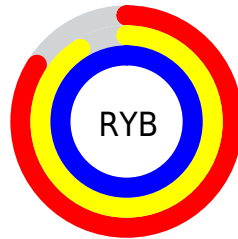
The CIELCh color **96, 12.653, 212.842** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 14.030, 30.356**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 12.611, 208.397** is the 20% darker color. If you saturate the color by 10%, you get **94, 19.546, 209.949**, and if you desaturate by 10%, it is **98, 5.031, 210.036**.

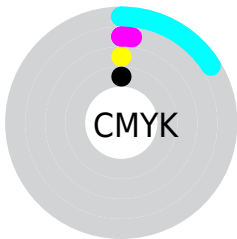
Distribution



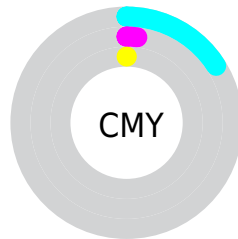
- Red (84%)
- Green (98%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (2%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 12.653, 212.842 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 96, 12.653, 212.842 by changing the saturation by 10% instead.


 96, 12.653,
212.842


 96, 12.653,
212.842


 100, 12.653,
212.842


 86, 12.653,
212.842

 76, 12.653,
212.842

 66, 12.653,
212.842

 56, 12.653,
212.842

 46, 12.653,
212.842

 36, 12.653,
212.842

 26, 12.653,

212.842

■ 16, 12.653,
212.842

■ 6, 12.653, 212.842

■ 96, 12.653,
212.842

■ 96, 12.653,
212.842

■ 94, 19.546,
209.949

■ 98, 5.031, 210.036

■ 92, 25.863,
210.147

100, 0.012,
296.813

■ 90, 31.377,
210.527

■ 88, 35.966,
211.129

■ 87, 39.539,
211.996

■ 85, 42.052,
213.177

■ 84, 43.529,
214.718

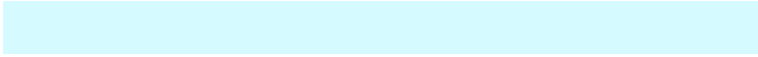
■ 83, 44.088,
216.653

■ 83, 44.161,
217.419

Harmonies

Complementary

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



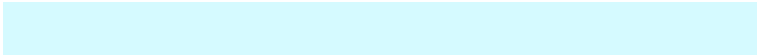
96, 12.653, 212.842



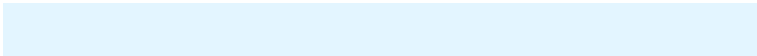
90, 14.030, 30.356

Rectangle

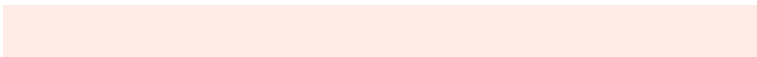
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 12.653, 212.842



96, 12.653, 262.842



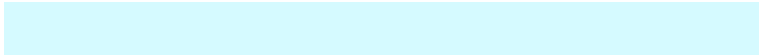
96, 12.653, 32.842



96, 12.653, 82.842

Sweetspot

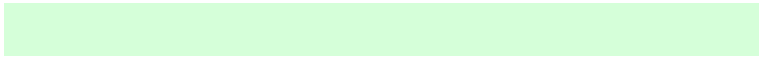
The Sweet Spot groups the original color and five complimentary colors.



96, 12.559, 209.905



99, 3.955, 210.087



96, 24.408, 146.212



53, 2.694, 210.059



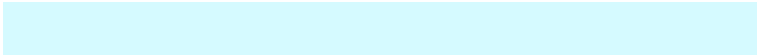
0, 0.000, 0.000



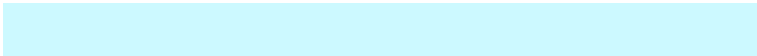
53, 0.007, 296.813

Same Dimension

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



96, 12.559, 209.905



95, 15.156, 209.904



91, 14.012, 267.784



52, 4.446, 209.967



64, 35.611, 217.011



21, 16.537, 214.223

Inverse Universe

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



90, 24.221, 328.642



88, 29.600, 328.862



95, 14.257, 83.279



50, 8.377, 328.221



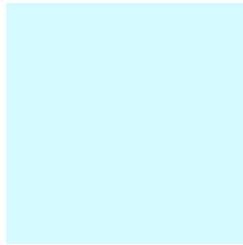
44, 85.135, 333.353



12, 39.587, 332.668

Previews

White Background



This preview shows how the CIE LCh color 96, 12.653, 212.842 looks on a white background.

Color Contrast Check

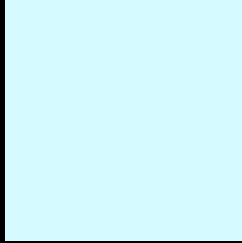
Large Text (above 18pt) WCAG AA × Fail

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 96, 12.653, 212.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

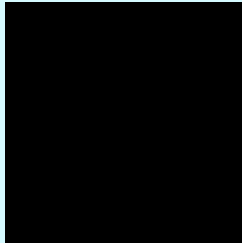
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 12.653, 212.842

Background



This preview shows how black text looks on a background with the CIELCh color 96, 12.653, 212.842.

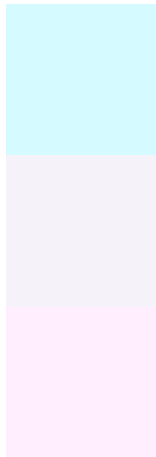


This preview shows how white text looks on a background with the CIELCh color 96, 12.653, 212.842.

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

96, 12.568, 210.514

Protanopia

96, 4.255, 304.730

Deuteranopia

96, 10.185, 326.406

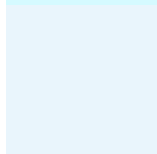


Tritanopia
96, 6.933, 247.072

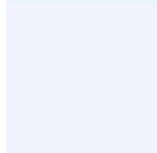
Trichromacy



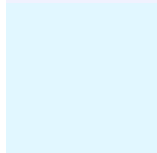
Original Color
96, 12.568, 210.514



Protanomaly
96, 5.414, 240.899



Deuteranomaly
96, 6.189, 284.272

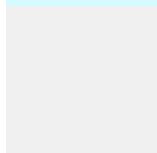


Tritanomaly
96, 8.425, 228.262

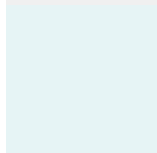
Monochromacy



Original Color
96, 12.568, 210.514



Achromatopsia
95, 0.011, 296.813



Achromatomaly
95, 4.871, 205.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 12.653, 212.842 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(213, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 250, 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(213, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 250, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 12.653, 212.842 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(213, 250, 255) }
```

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

```
.border{ border-color:rgb(213, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(213, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 250,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 12.653, 212.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 250, 255) }
```

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

```
.background{ background-color: rgb(213,  
250, 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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