

Converting Colors

CIELCh(96, 12.814, 212.068)

Have a look what the booklet for
CIELCh(96, 12.814, 212.068)
contains.

CIELCh(96, 12.568, 210.514)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 12.568, 210.514)

Conversions

Conversions Part 1

Format	Color
Hex	D5FAFF
RGB	213, 250, 255
RGB Percent	84%, 98%, 100%
CMY	0.1635, 0.0183, 0.0000
CMYK	0.16, 0.02, 0.00, 0.00
HSL	187°, 100%, 92%
HSV	187°, 16%, 100%
XYZ	79.9217, 90.0078, 108.0438
YIQ	239.5070, -23.6570, -6.2890

Conversions

Conversions Part 2

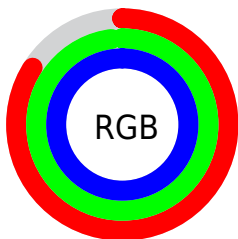
Format	Color
R_{YB}	213, 233, 255
Decimal	14023423
CIE _{Lab}	96.00, -10.83, -6.38
CIE _{LCh}	96, 12.568, 210.514
Yxy	90.0078, 0.2875, 0.3238
Android (android.graphics.Color)	4292213503 (0xFFD5FAFF)
YUV	239.5070, 7.6380, -23.2466
Hunter-Lab	94.8724, -15.6562, -1.1107

Details

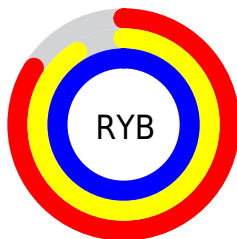
The CIELCh color **96, 12.568, 210.514** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 14.014, 30.209**, and the grayscale version is **95, 0.011, 296.813**.

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, 19.545, 209.772**, and if you desaturate by 10%, it is **98, 5.009, 209.877**.

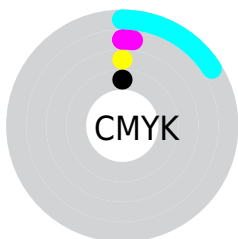
Distribution



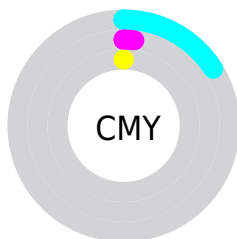
- Red (84%)
- Green (98%)
- Blue (100%)



- 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, 12.568, 210.514 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, 12.568, 210.514 by changing the saturation by 10% instead.


 96, 12.568,
210.514


 96, 12.568,
210.514


 100, 12.568,
210.514


 86, 12.568,
210.514

 76, 12.568,
210.514

 66, 12.568,
210.514

 56, 12.568,
210.514

 46, 12.568,
210.514

 36, 12.568,
210.514

 26, 12.568,

210.514

■ 16, 12.568,
210.514

■ 6, 12.568, 210.514

■ 96, 12.568,
210.514

■ 96, 12.568,
210.514

■ 94, 19.545,
209.772

■ 98, 5.009, 209.877

■ 92, 25.872,
209.960

100, 0.012,
296.813

■ 90, 31.395,
210.328

■ 88, 35.993,
210.915

■ 87, 39.572,
211.764

■ 85, 42.090,
212.922

■ 84, 43.570,
214.436

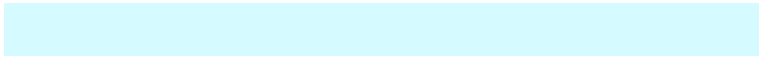
■ 83, 44.129,
216.337

■ 83, 44.202,
217.099

Harmonies

Complementary

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



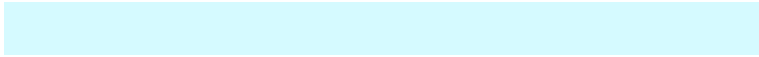
96, 12.568, 210.514



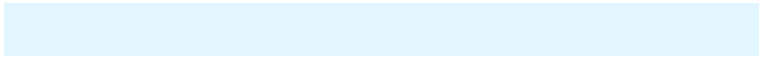
90, 14.014, 30.209

Rectangle

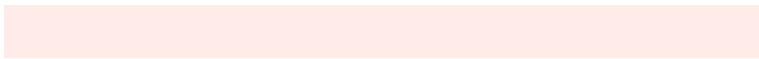
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



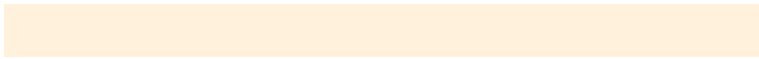
96, 12.568, 210.514



96, 12.568, 260.514



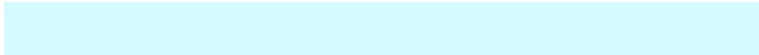
96, 12.568, 30.514



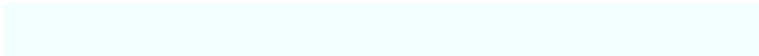
96, 12.568, 80.514

Sweetspot

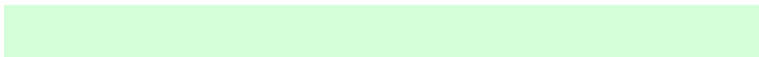
The Sweet Spot groups the original color and five complimentary colors.



96, 12.547, 209.738



99, 3.960, 209.927



96, 24.352, 146.215



53, 2.697, 209.899



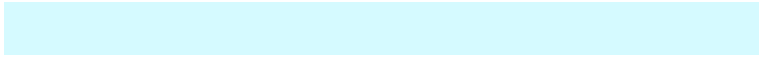
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

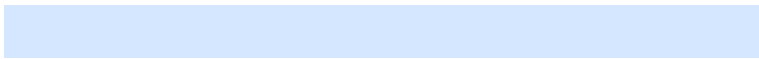
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 12.547, 209.738



95, 15.174, 209.734



91, 13.981, 267.778



52, 4.451, 209.804



64, 35.645, 216.697



21, 16.554, 213.954

Inverse Universe

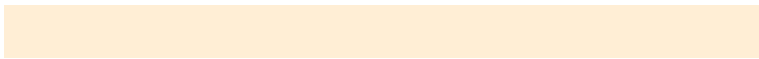
The Inverse Universe completely reimagines the original color for something new.



90, 24.192, 328.592



88, 29.631, 328.814



95, 14.224, 83.284



50, 8.386, 328.174



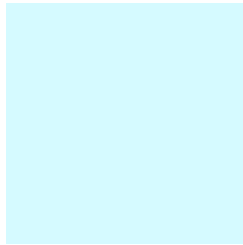
44, 85.236, 333.276



12, 39.629, 332.602

Previews

White Background



This preview shows how the CIE LCh color 96, 12.568, 210.514 looks on a white background.

Color Contrast Check

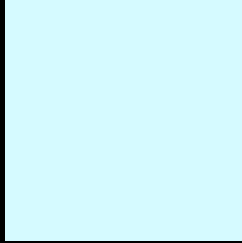
Large Text (above 18pt) WCAG AA × Fail

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, 12.568, 210.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

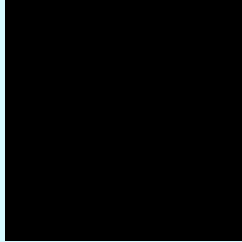
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 12.568, 210.514

Background



This preview shows how black text looks on a background with the CIELCh color 96, 12.568, 210.514.

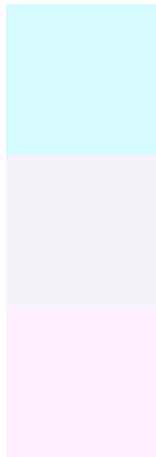


This preview shows how white text looks on a background with the CIELCh color 96, 12.568, 210.514.

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

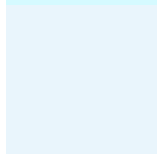


Tritanopia
96, 6.933, 247.072

Trichromacy



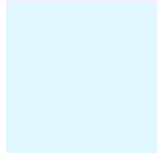
Original Color
96, 12.568, 210.514



Protanomaly
96, 5.414, 240.899



Deuteranomaly
96, 6.189, 284.272

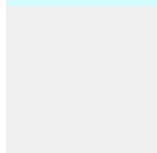


Tritanomaly
96, 8.425, 228.262

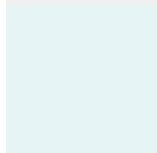
Monochromacy



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, 12.568, 210.514 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, 12.568, 210.514 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, 12.568, 210.514 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor