

Converting Colors

CIELCh(100, 30.638, 166.021)

Have a look what the booklet for
CIELCh(100, 30.638, 166.021)
contains.

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Color

CIElCh(96, 22.047, 177.539)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFF1
RGB	195, 255, 241
RGB Percent	76%, 100%, 95%
CMY	0.2359, 0.0000, 0.0554
CMYK	0.24, 0.00, 0.06, 0.00
HSL	166°, 100%, 88%
HSV	166°, 24%, 100%
XYZ	74.3658, 90.0078, 96.5689
YIQ	235.4640, -31.2660, -17.0740

Conversions

Conversions Part 2

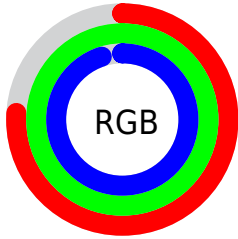
Format	Color
R_{YB}	195, 229, 255
Decimal	12845041
CIE _{Lab}	96.00, -22.03, 0.95
CIE _{LCh}	96, 22.047, 177.539
Yxy	90.0078, 0.2850, 0.3449
Android (android.graphics.Color)	4291035121 (0xFFC3FFF1)
YUV	235.4640, 2.7292, -35.4869
Hunter-Lab	94.8724, -26.1094, 6.0605

Details

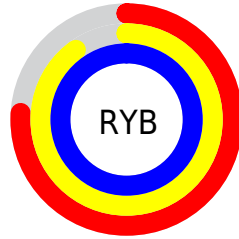
The CIELCh color **96, 22.047, 177.539** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 23.576, 3.141**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.042, 199.975**, and **76, 21.476, 178.665** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.112, 177.322**, and if you desaturate by 10%, it is **97, 12.644, 179.409**.

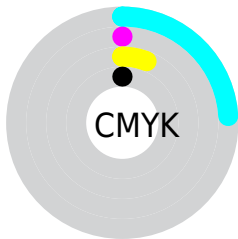
Distribution



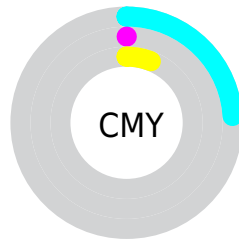
- Red (76%)
- Green (100%)
- Blue (95%)



- Red (76%)
- Yellow (90%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 22.047, 177.539 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, 22.047, 177.539 by changing the saturation by 10% instead.


 96, 22.047,
177.539


 96, 22.047,
177.539


 100, 22.047,
177.539


 86, 22.047,
177.539

 76, 22.047,
177.539

 66, 22.047,
177.539

 56, 22.047,
177.539

 46, 22.047,
177.539

 36, 22.047,
177.539

 26, 22.047,

177.539

■ 16, 22.047,
177.539

■ 6, 22.047, 177.539

■ 96, 22.047,
177.539

■ 96, 22.047,
177.539

■ 94, 30.112,
177.322

■ 97, 12.644,
179.409

■ 93, 37.997,
176.166

■ 99, 3.371, 180.476

■ 92, 45.103,
174.903

100, 0.012,
296.813

■ 91, 51.291,
173.510

■ 91, 56.466,
171.961

■ 90, 60.600,
170.234

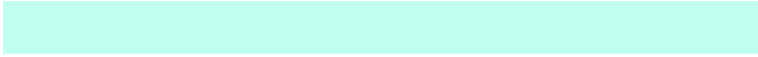
■ 90, 63.757,
168.319

■ 90, 65.405,
167.023

Harmonies

Complementary

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



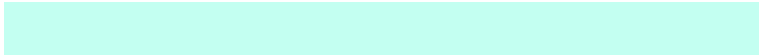
96, 22.047, 177.539



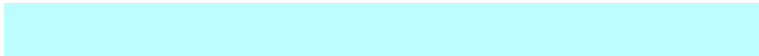
84, 23.576, 3.141

Rectangle

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



96, 22.047, 177.539



96, 22.047, 227.539



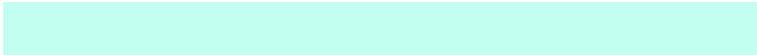
96, 22.047, 357.539



96, 22.047, 47.539

Sweetspot

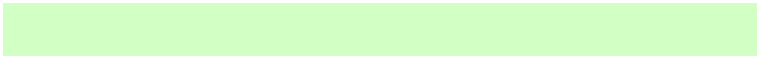
The Sweet Spot groups the original color and five complimentary colors.



96, 21.608, 178.395



99, 6.562, 180.076



96, 34.821, 136.147



53, 4.261, 180.013



0, 0.000, 0.000



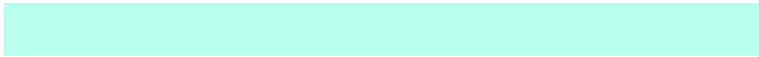
53, 0.007, 296.813

Same Dimension

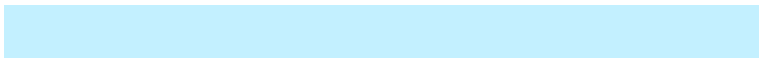
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 21.608, 178.395



95, 25.427, 177.931



92, 16.414, 227.025



52, 5.317, 179.818



69, 52.404, 167.401



23, 23.250, 170.123

Inverse Universe

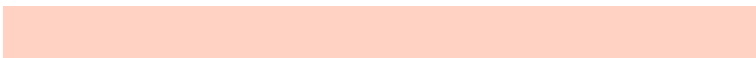
The Inverse Universe completely reimagines the original color for something new.



84, 23.576, 3.141



82, 28.237, 3.743



88, 19.107, 44.509



50, 5.501, 1.473



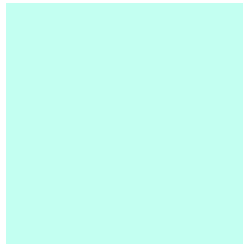
40, 73.290, 26.865



10, 31.782, 16.867

Previews

White Background



This preview shows how the CIE LCh color 96, 22.047, 177.539 looks on a white background.

Color Contrast Check

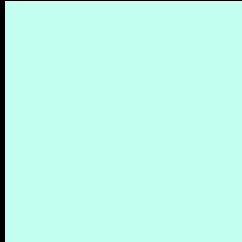
Large Text (above 18pt) WCAG AA × Fail

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, 22.047, 177.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

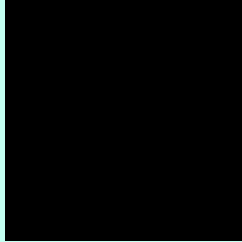
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

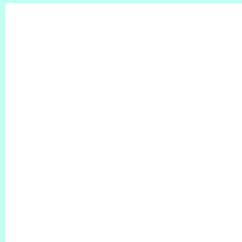
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 22.047, 177.539

Background



This preview shows how black text looks on a background with the CIELCh color 96, 22.047, 177.539.

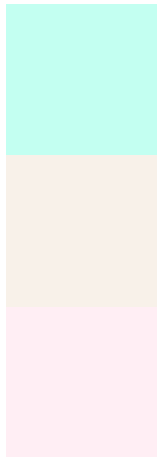


This preview shows how white text looks on a background with the CIELCh color 96, 22.047, 177.539.

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, 21.537, 178.523

Protanopia
95, 4.781, 78.101

Deuteranopia
96, 6.798, 352.936

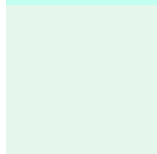


Tritanopia
96, 8.392, 232.550

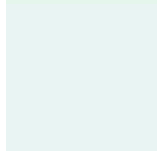
Trichromacy



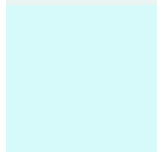
Original Color
96, 21.537, 178.523



Protanomaly
95, 7.927, 158.708



Deuteranomaly
95, 3.878, 191.707

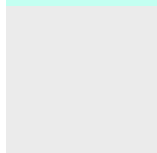


Tritanomaly
96, 11.822, 201.204

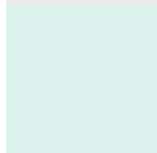
Monochromacy



Original Color
96, 21.537, 178.523



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 8.120, 180.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 22.047, 177.539 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(195, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 241)  
}
```

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(195, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 22.047, 177.539 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(195, 255, 241) }
```

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

```
.border{ border-color:rgb(195, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 22.047, 177.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 241) }
```

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

```
.background{ background-color: rgb(195,  
255, 241) }
```

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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