

# Converting Colors

CIELCh(100, 25.451, 233.128)

Have a look what the booklet for  
CIELCh(100, 25.451, 233.128)  
contains.

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# Color

**CIECh(96, 19.614, 198.212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FFFF
RGB	195, 255, 255
RGB Percent	76%, 100%, 100%
CMY	0.2368, 0.0016, 0.0016
CMYK	0.24, 0.00, 0.00, 0.00
HSL	180°, 99%, 88%
HSV	180°, 24%, 100%
XYZ	76.0220, 90.0078, 107.6359
YIQ	237.0600, -35.7600, -12.7200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 225, 255
Decimal	12845055
CIE <sub>Lab</sub>	96.00, -18.63, -6.13
CIE <sub>LCh</sub>	96, 19.614, 198.212
Yxy	90.0078, 0.2778, 0.3289
Android (android.graphics.Color)	4291035135 (0xFFC3FFFF)
YUV	237.0600, 8.8444, -36.8866
Hunter-Lab	94.8724, -22.9934, -0.8557

# Details

The CIELCh color **96, 19.614, 198.212** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 22.991, 21.208**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.695, 200.315**, and **76, 19.497, 197.963** is the 20% darker color. If you saturate the color by 10%, you get **95, 26.878, 197.755**, and if you desaturate by 10%, it is **98, 11.653, 198.724**.

# Distribution



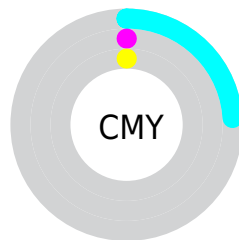
- Red (76%)
- Green (100%)
- Blue (100%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 19.614, 198.212 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, 19.614, 198.212 by changing the saturation by 10% instead.





 96, 19.614,  
198.212


 96, 19.614,  
198.212


 100, 19.614,  
198.212


 86, 19.614,  
198.212

 76, 19.614,  
198.212

 66, 19.614,  
198.212

 56, 19.614,  
198.212

 46, 19.614,  
198.212

 36, 19.614,  
198.212

 26, 19.614,

198.212

■ 16, 19.614,  
198.212

■ 6, 19.614, 198.212

■ 96, 19.614,  
198.212

■ 96, 19.614,  
198.212

■ 95, 26.878,  
197.755

■ 98, 11.653,  
198.724

■ 94, 33.298,  
197.365

■ 99, 3.139, 199.414

100, 0.141, 14.592

■ 93, 38.747,  
197.040

100, 0.141, 14.414

■ 92, 43.126,  
196.783

100, 0.141, 14.237

■ 92, 46.389,  
196.593

100, 0.141, 14.060

100, 0.141, 13.883

■ 91, 48.550,  
196.468

100, 0.141, 13.707

■ 91, 49.705,  
196.401

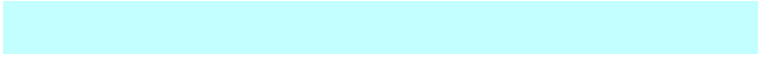
100, 0.141, 13.530

■ 91, 50.057,  
196.381

# Harmonies

# Complementary

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



96, 19.614, 198.212



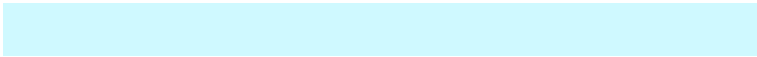
84, 22.991, 21.208

# Rectangle

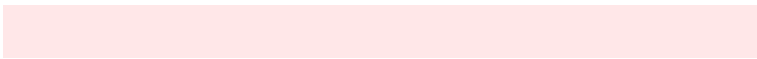
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 19.614, 198.212



96, 19.614, 248.212



96, 19.614, 18.212



96, 19.614, 68.212

# Sweetspot

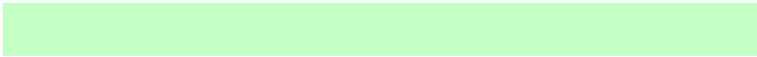
The Sweet Spot groups the original color and five complimentary colors.



96, 19.615, 198.207



99, 6.127, 199.123



95, 37.416, 142.461



53, 3.975, 199.081



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

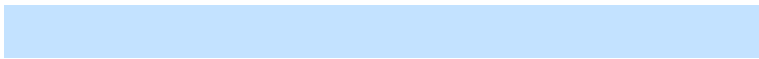
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 19.615, 198.207



96, 22.962, 197.999



88, 17.895, 257.089



52, 4.945, 198.960



70, 40.366, 196.381



24, 18.570, 196.382



# Inverse Universe

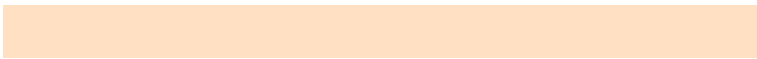
The Inverse Universe completely reimagines the original color for something new.



84, 22.991, 21.208



81, 27.825, 21.703



91, 19.208, 70.696



49, 5.254, 19.941



40, 84.228, 39.999

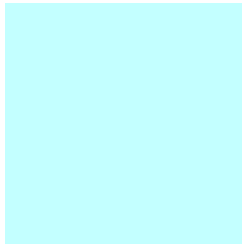


10, 33.367, 27.175



# Previews

## White Background



This preview shows how the CIE LCh color 96, 19.614, 198.212 looks on a white background.

## Color Contrast Check

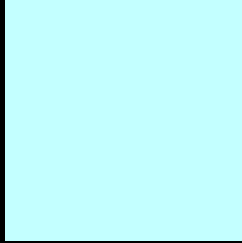
Large Text (above 18pt) WCAG AA × Fail

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, 19.614, 198.212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

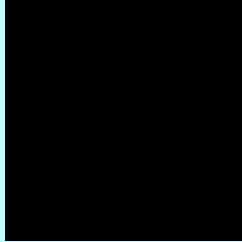
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

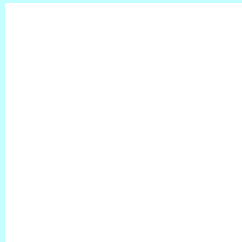
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 19.614, 198.212

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 19.614, 198.212.

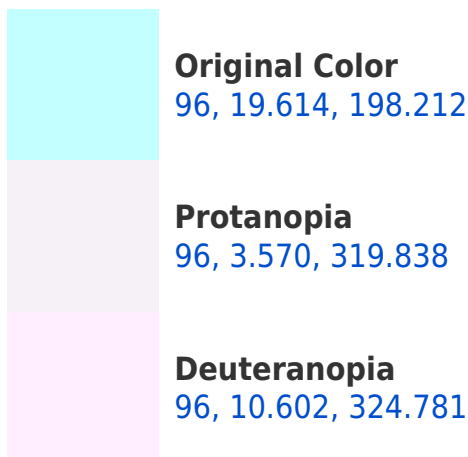


This preview shows how white text looks on a background with the CIELCh color 96, 19.614, 198.212.

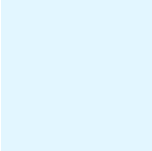
# Color Blindness Simulation

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





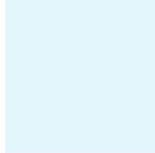


**Tritanopia**  
96, 8.118, 233.851

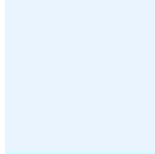
# Trichromacy



**Original Color**  
96, 19.614, 198.212



**Protanomaly**  
96, 6.785, 216.739



**Deuteranomaly**  
96, 6.718, 256.610

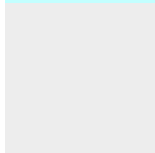


**Tritanomaly**  
96, 11.725, 214.040

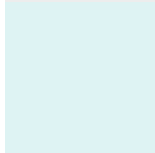
# Monochromacy



**Original Color**  
96, 19.614, 198.212



**Achromatopsia**  
94, 0.011, 296.813



**Achromatomaly**  
94, 7.245, 199.018

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 19.614, 198.212 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 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(195, 255, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to CIELCh 96, 19.614, 198.212 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 96, 19.614, 198.212 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, 255) }
```

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

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