

Converting Colors

CIELCh(96, 20.731, 198.141)

Have a look what the booklet for
CIELCh(96, 20.731, 198.141)
contains.

CIELCh(96, 20.805, 198.137)	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, 20.805, 198.137)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFFFF
RGB	191, 255, 255
RGB Percent	75%, 100%, 100%
CMY	0.2501, 0.0000, 0.0000
CMYK	0.25, 0.00, 0.00, 0.00
HSL	180°, 100%, 87%
HSV	180°, 25%, 100%
XYZ	75.4633, 90.0078, 108.1982
YIQ	235.8640, -38.1440, -13.5680

Conversions

Conversions Part 2

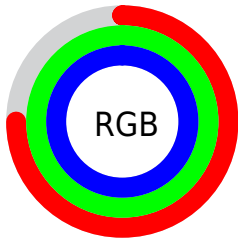
Format	Color
R _Y B	191, 223, 255
Decimal	12582911
CIE Lab	96.00, -19.77, -6.48
CIE LCh	96, 20.805, 198.137
Yxy	90.0078, 0.2757, 0.3289
Android (android.graphics.Color)	4290772991 (0xFFBFFFFF)
YUV	235.8640, 9.4340, -39.3457
Hunter-Lab	94.8724, -24.0446, -1.2072

Details

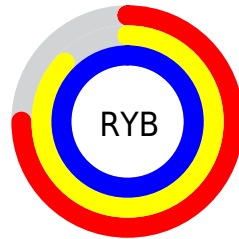
The CIELCh color **96, 20.805, 198.137** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 24.570, 21.366**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.081, 199.592**, and **76, 20.678, 197.875** is the 20% darker color. If you saturate the color by 10%, you get **95, 27.896, 197.698**, and if you desaturate by 10%, it is **97, 12.858, 198.647**.

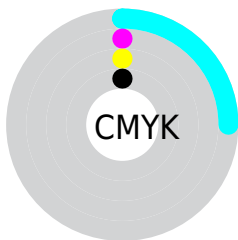
Distribution



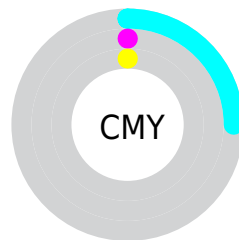
- Red (75%)
- Green (100%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 20.805, 198.137 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, 20.805, 198.137 by changing the saturation by 10% instead.


 96, 20.805,
198.137


 96, 20.805,
198.137


 100, 20.805,
198.137


 86, 20.805,
198.137

 76, 20.805,
198.137

 66, 20.805,
198.137

 56, 20.805,
198.137

 46, 20.805,
198.137

 36, 20.805,
198.137

 26, 20.805,

198.137

■ 16, 20.805,
198.137

■ 6, 20.805, 198.137

■ 96, 20.805,
198.137

■ 96, 20.805,
198.137

■ 95, 27.896,
197.698

■ 97, 12.858,
198.647

■ 94, 34.191,
197.317

■ 99, 4.405, 199.276

■ 93, 39.496,
197.002

100, 0.012,
296.813

■ 92, 43.721,
196.755

■ 92, 46.824,
196.575

■ 91, 48.834,
196.460

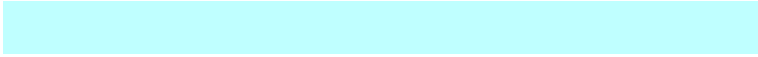
■ 91, 49.857,
196.401

■ 91, 50.115,
196.386

Harmonies

Complementary

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



96, 20.805, 198.137



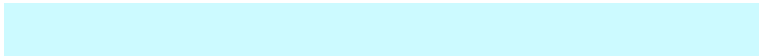
83, 24.570, 21.366

Rectangle

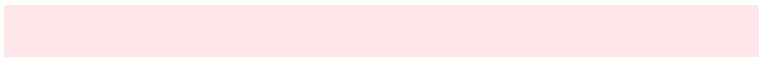
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 20.805, 198.137



96, 20.805, 248.137



96, 20.805, 18.137



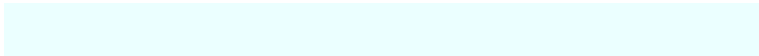
96, 20.805, 68.137

Sweetspot

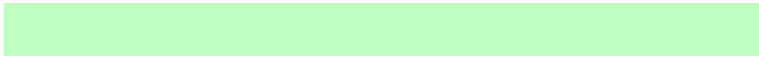
The Sweet Spot groups the original color and five complimentary colors.



96, 20.738, 198.141



99, 6.985, 199.058



94, 39.977, 142.747



52, 4.945, 198.963



0, 0.000, 0.000



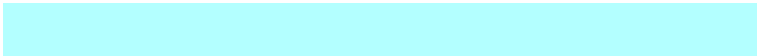
53, 0.007, 296.813

Same Dimension

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



96, 20.738, 198.141



95, 24.410, 197.912



88, 19.290, 259.224



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

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



85, 39.990, 325.812



82, 47.893, 326.080



91, 20.657, 72.282



50, 9.057, 324.947



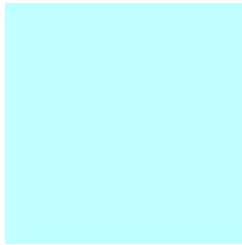
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 96, 20.805, 198.137 looks on a white background.

Color Contrast Check

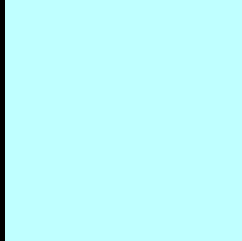
Large Text (above 18pt) WCAG AA × Fail

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, 20.805, 198.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

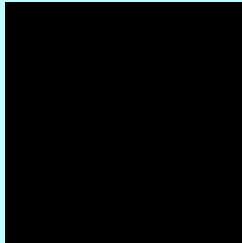
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 20.805, 198.137

Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.805, 198.137.

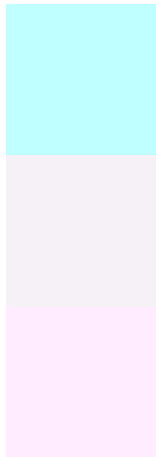


This preview shows how white text looks on a background with the CIELCh color 96, 20.805, 198.137.

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

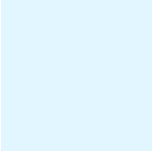
96, 20.805, 198.137

Protanopia

96, 3.407, 314.711

Deuteranopia

96, 11.228, 324.804

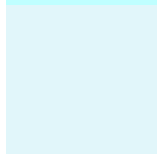


Tritanopia
96, 8.392, 232.550

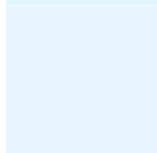
Trichromacy



Original Color
96, 20.805, 198.137



Protanomaly
96, 7.425, 215.132



Deuteranomaly
96, 6.906, 254.251

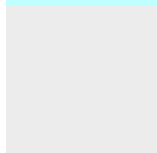


Tritanomaly
96, 12.344, 213.221

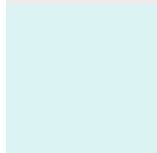
Monochromacy



Original Color
96, 20.805, 198.137



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 7.919, 198.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 20.805, 198.137 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(191, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 20.805, 198.137 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(191, 255, 255) }
```

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

```
.border{ border-color:rgb(191, 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(191, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 20.805, 198.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 255) }
```

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

```
.background{ background-color: rgb(191,  
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](#).

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