

Converting Colors

CIELCh(96, 15.646, 205.876)

Have a look what the booklet for
CIELCh(96, 15.646, 205.876)
contains.

CIELCh(96, 15.597, 204.167)	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, 15.597, 204.167)

Conversions

Conversions Part 1

Format	Color
Hex	CDFCFE
RGB	205, 252, 255
RGB Percent	80%, 99%, 100%
CMY	0.1952, 0.0109, 0.0000
CMYK	0.20, 0.01, 0.00, 0.00
HSL	183°, 100%, 90%
HSV	183°, 20%, 100%
XYZ	78.2054, 90.0078, 108.0503
YIQ	238.2890, -28.9750, -9.0310

Conversions

Conversions Part 2

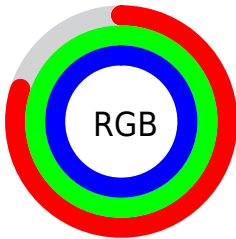
Format	Color
R _Y B	205, 229, 255
Decimal	13499647
CIE Lab	96.00, -14.23, -6.39
CIE LCh	96, 15.597, 204.167
Yxy	90.0078, 0.2831, 0.3258
Android (android.graphics.Color)	4291689727 (0xFFCDFCFF)
YUV	238.2890, 8.2385, -29.1945
Hunter-Lab	94.8724, -18.8854, -1.1147

Details

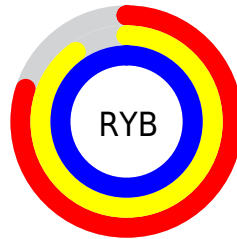
The CIELCh color **96, 15.597, 204.167** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 17.810, 25.298**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 15.437, 204.329** is the 20% darker color. If you saturate the color by 10%, you get **94, 22.744, 203.503**, and if you desaturate by 10%, it is **98, 7.836, 204.057**.

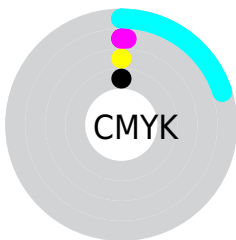
Distribution



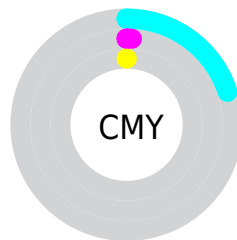
- Red (80%)
- Green (99%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (1%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 15.597, 204.167 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, 15.597, 204.167 by changing the saturation by 10% instead.


 96, 15.597,
204.167


 96, 15.597,
204.167


 100, 15.597,
204.167


 86, 15.597,
204.167

 76, 15.597,
204.167

 66, 15.597,
204.167

 56, 15.597,
204.167

 46, 15.597,
204.167

 36, 15.597,
204.167

 26, 15.597,

204.167

■ 16, 15.597,
204.167

■ 6, 15.597, 204.167

■ 96, 15.597,
204.167

■ 96, 15.597,
204.167

■ 94, 22.744,
203.503

■ 98, 7.836, 204.057

■ 93, 29.138,
203.387

100, 0.012,
296.813

■ 91, 34.642,
203.392

■ 90, 39.141,
203.536

■ 89, 42.557,
203.839

■ 88, 44.867,
204.321

■ 88, 46.123,
204.995

■ 87, 46.514,
205.853

■ 87, 46.525,
205.896

Harmonies

Complementary

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



96, 15.597, 204.167



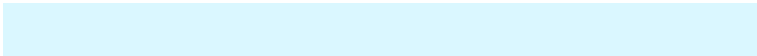
87, 17.810, 25.298

Rectangle

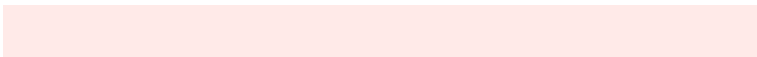
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



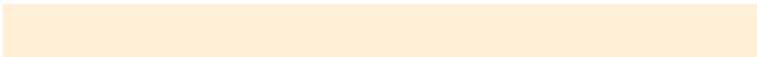
96, 15.597, 204.167



96, 15.597, 254.167



96, 15.597, 24.167



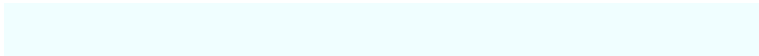
96, 15.597, 74.167

Sweetspot

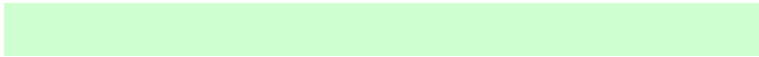
The Sweet Spot groups the original color and five complimentary colors.



96, 15.597, 203.725



99, 4.983, 204.224



96, 30.144, 144.532



53, 3.300, 204.188



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

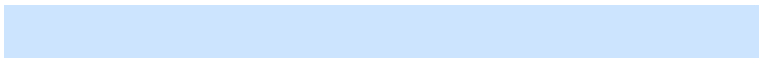
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 15.597, 203.725



95, 18.160, 203.637



90, 15.850, 263.523



52, 4.679, 204.058



67, 37.514, 205.720



22, 17.394, 204.515

Inverse Universe

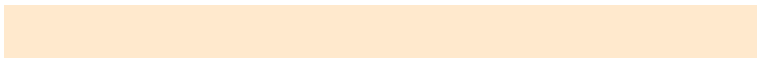
The Inverse Universe completely reimagines the original color for something new.



88, 30.060, 327.069



86, 35.429, 327.270



93, 16.430, 78.098



50, 8.720, 326.485



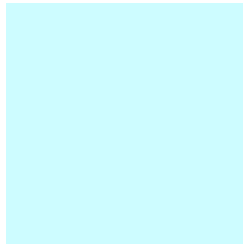
45, 89.100, 330.582



12, 41.207, 330.284

Previews

White Background



This preview shows how the CIE LCh color 96, 15.597, 204.167 looks on a white background.

Color Contrast Check

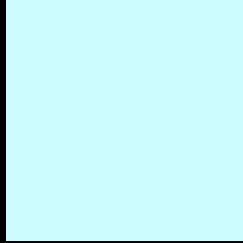
Large Text (above 18pt) WCAG AA × Fail

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, 15.597, 204.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

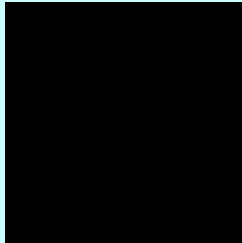
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 15.597, 204.167

Background



This preview shows how black text looks on a background with the CIELCh color 96, 15.597, 204.167.

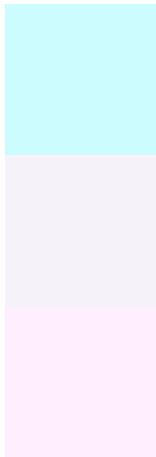


This preview shows how white text looks on a background with the CIELCh color 96, 15.597, 204.167.

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, 15.597, 204.167

Protanopia
96, 3.761, 306.638

Deuteranopia
96, 10.185, 326.406

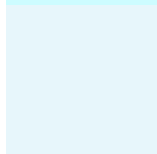


Tritanopia
96, 7.321, 238.340

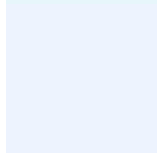
Trichromacy



Original Color
96, 15.597, 204.167



Protanomaly
96, 5.709, 225.937



Deuteranomaly
96, 5.976, 270.448

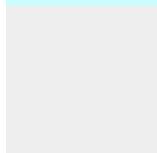


Tritanomaly
96, 10.013, 219.981

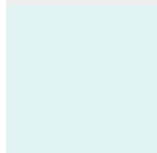
Monochromacy



Original Color
96, 15.597, 204.167



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 5.892, 204.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 15.597, 204.167 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(205, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 252, 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(205, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 252, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 15.597, 204.167 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(205, 252, 255) }
```

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

```
.border{ border-color:rgb(205, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 252,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 15.597, 204.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 252, 255) }
```

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

```
.background{ background-color: rgb(205,  
252, 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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