

Converting Colors

CIELCh(100, 22.755, 179.576)

Have a look what the booklet for
CIELCh(100, 22.755, 179.576)
contains.

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Color

CIELCh(97, 17.235, 196.647)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFFF
RGB	204, 255, 255
RGB Percent	80%, 100%, 100%
CMY	0.1991, 0.0000, 0.0000
CMYK	0.20, 0.00, 0.00, 0.00
HSL	180°, 100%, 90%
HSV	180°, 20%, 100%
XYZ	79.2252, 92.4403, 108.4996
YIQ	239.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

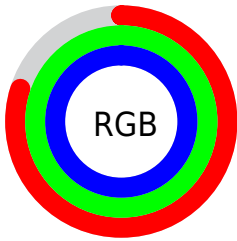
Format	Color
RYB	204, 230, 255
Decimal	13434879
CIELab	97.00, -16.51, -4.94
CIElCh	97, 17.235, 196.647
Yxy	92.4403, 0.2828, 0.3299
Android (android.graphics.Color)	4291624959 (0xFFCCFFFF)
YUV	239.7510, 7.5178, -31.3536
Hunter-Lab	96.1459, -21.1695, 0.3940

Details

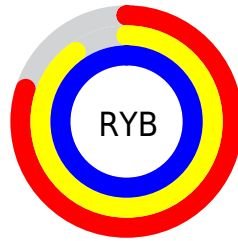
The CIELCh color **97, 17.235, 196.647** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 19.173, 20.843**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 16.749, 198.171** is the 20% darker color. If you saturate the color by 10%, you get **95, 24.344, 197.916**, and if you desaturate by 10%, it is **98, 8.609, 198.938**.

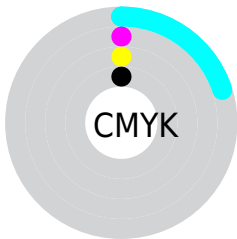
Distribution



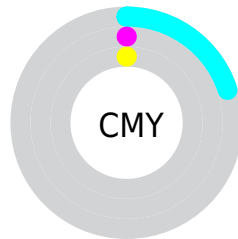
- Red (80%)
- Green (100%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 17.235, 196.647 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 97, 17.235, 196.647 by changing the saturation by 10% instead.


 97, 17.235,
196.647


 97, 17.235,
196.647


 100, 17.235,
196.647


 87, 17.235,
196.647

 77, 17.235,
196.647

 67, 17.235,
196.647

 57, 17.235,
196.647

 47, 17.235,
196.647

 37, 17.235,
196.647

 27, 17.235,

196.647

■ 17, 17.235,
196.647

■ 7, 17.235, 196.647

■ 97, 17.235,
196.647

■ 97, 17.235,
196.647

■ 95, 24.344,
197.916

■ 98, 8.609, 198.938

■ 94, 31.096,
197.504

100, 0.012,
296.813

■ 93, 36.920,
197.155

■ 92, 41.705,
196.873

■ 92, 45.381,
196.658

■ 91, 47.941,
196.511

■ 91, 49.448,
196.424

■ 91, 50.111,
196.387

■ 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.



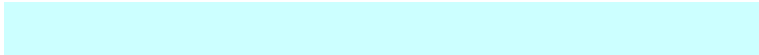
97, 17.235, 196.647



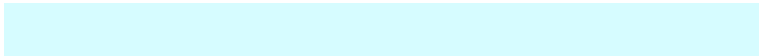
86, 19.173, 20.843

Rectangle

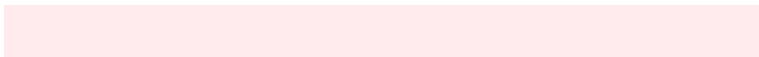
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 17.235, 196.647



97, 17.235, 246.647



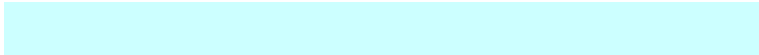
97, 17.235, 16.647



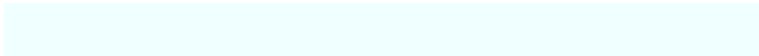
97, 17.235, 66.647

Sweetspot

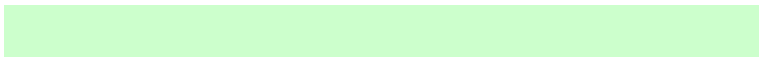
The Sweet Spot groups the original color and five complimentary colors.



97, 16.799, 198.391



99, 5.264, 199.198



95, 31.812, 143.155



53, 3.486, 199.150



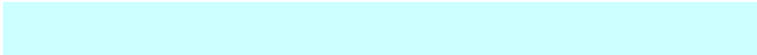
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

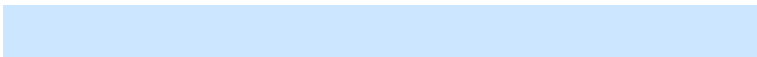
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 16.799, 198.391



96, 19.973, 198.189



90, 15.405, 258.320



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

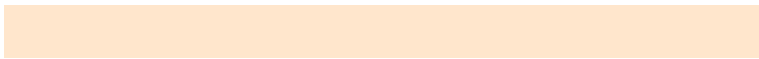
The Inverse Universe completely reimagines the original color for something new.



88, 31.834, 325.532



85, 38.382, 325.757



93, 16.243, 72.922



50, 9.057, 324.947



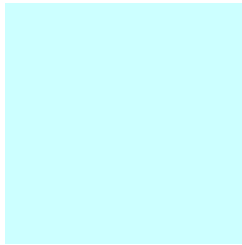
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 97, 17.235, 196.647 looks on a white background.

Color Contrast Check

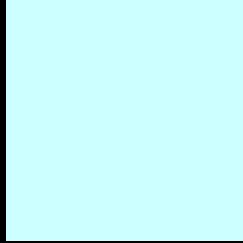
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 97, 17.235, 196.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

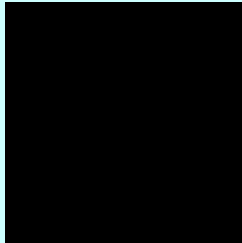
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 17.235, 196.647

Background



This preview shows how black text looks on a background with the CIELCh color 97, 17.235, 196.647.



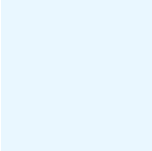
This preview shows how white text looks on a background with the CIELCh color 97, 17.235, 196.647.

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



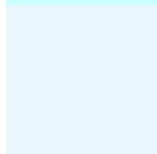


Tritanopia
96, 6.236, 240.403

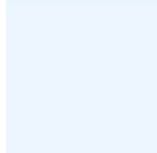
Trichromacy



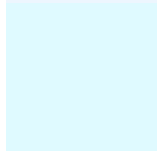
Original Color
97, 16.872, 198.386



Protanomaly
96, 5.512, 221.067



Deuteranomaly
96, 5.090, 253.091

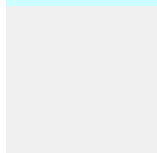


Tritanomaly
97, 9.425, 214.724

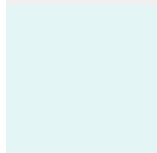
Monochromacy



Original Color
97, 16.872, 198.386



Achromatopsia
95, 0.011, 296.813



Achromatomaly
95, 6.221, 199.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 17.235, 196.647 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(204, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 17.235, 196.647 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(204, 255, 255) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 17.235, 196.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 255) }
```

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

```
.background{ background-color: rgb(204,  
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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