

Converting Colors

CIELCh(100, 17.370, 176.205)

Have a look what the booklet for
CIELCh(100, 17.370, 176.205)
contains.

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Color

CIELCh(97, 12.645, 191.666)

Conversions

Conversions Part 1

Format	Color
Hex	D9FEFB
RGB	217, 254, 251
RGB Percent	85%, 100%, 98%
CMY	0.1497, 0.0047, 0.0164
CMYK	0.15, 0.00, 0.01, 0.00
HSL	175°, 94%, 92%
HSV	175°, 15%, 100%
XYZ	81.3290, 92.4403, 104.6668
YIQ	242.5950, -21.0890, -8.7770

Conversions

Conversions Part 2

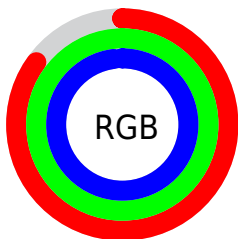
Format	Color
R _Y B	217, 236, 254
Decimal	14286587
CIE Lab	97.00, -12.38, -2.56
CIE LCh	97, 12.645, 191.666
Yxy	92.4403, 0.2921, 0.3320
Android (android.graphics.Color)	4292476667 (0xFFD9FEFB)
YUV	242.5950, 4.1437, -22.4468
Hunter-Lab	96.1459, -17.2636, 2.7575

Details

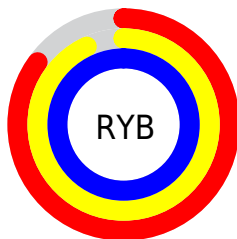
The CIELCh color **97, 12.645, 191.666** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 13.701, 13.894**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 12.383, 193.499** is the 20% darker color. If you saturate the color by 10%, you get **95, 20.762, 190.894**, and if you desaturate by 10%, it is **99, 4.048, 192.509**.

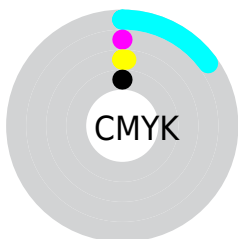
Distribution



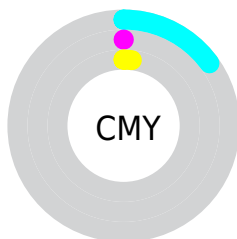
- Red (85%)
- Green (100%)
- Blue (98%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 12.645, 191.666 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, 12.645, 191.666 by changing the saturation by 10% instead.

 97, 12.645,
191.666

 97, 12.645,
191.666

 100, 12.645,
191.666

 87, 12.645,
191.666


 77, 12.645,
191.666

 67, 12.645,
191.666

 57, 12.645,
191.666

 47, 12.645,
191.666

 37, 12.645,
191.666

 27, 12.645,

191.666

■ 17, 12.645,
191.666

■ 7, 12.645, 191.666

■ 97, 12.645,
191.666

■ 97, 12.645,
191.666

■ 95, 20.762,
190.894

■ 99, 4.048, 192.509

■ 94, 28.247,
190.137

100, 0.718,
325.626

■ 93, 34.950,
189.376

100, 0.747,
324.053

■ 92, 40.732,
188.601

■ 91, 45.481,
187.799

■ 91, 49.135,
186.956

■ 90, 51.700,
186.055

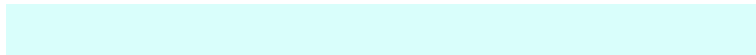
■ 90, 53.265,
185.079

■ 90, 53.820,
184.524

Harmonies

Complementary

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



97, 12.645, 191.666



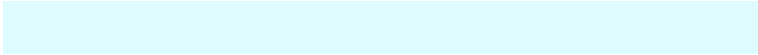
90, 13.701, 13.894

Rectangle

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



97, 12.645, 191.666



97, 12.645, 241.666



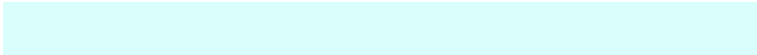
97, 12.645, 11.666



97, 12.645, 61.666

Sweetspot

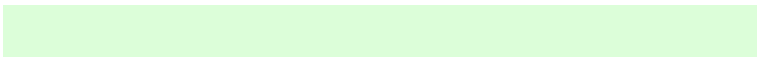
The Sweet Spot groups the original color and five complimentary colors.



97, 12.646, 191.658



99, 3.561, 192.574



96, 22.531, 141.384



53, 2.528, 192.489



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

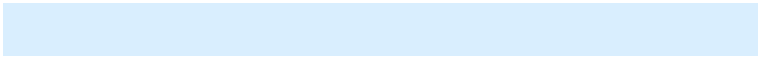
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 12.646, 191.658



97, 14.725, 191.470



93, 10.621, 247.737



52, 5.010, 192.061



70, 43.438, 184.709



24, 19.779, 186.022

Inverse Universe

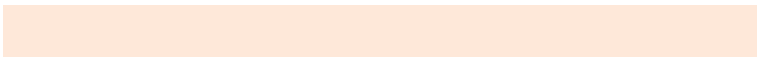
The Inverse Universe completely reimagines the original color for something new.



90, 13.701, 13.894



88, 16.181, 14.149



93, 11.249, 64.293



50, 5.274, 13.393



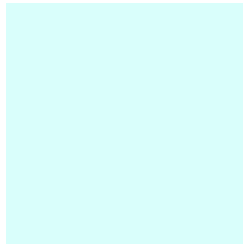
40, 80.847, 36.858



10, 32.734, 23.897

Previews

White Background



This preview shows how the CIE LCh color 97, 12.645, 191.666 looks on a white background.

Color Contrast Check

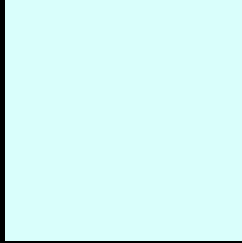
Large Text (above 18pt) WCAG AA × Fail

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 97, 12.645, 191.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

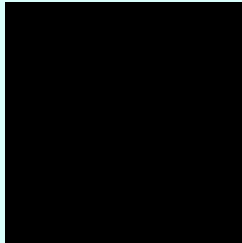
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 12.645, 191.666

Background



This preview shows how black text looks on a background with the CIELCh color 97, 12.645, 191.666.

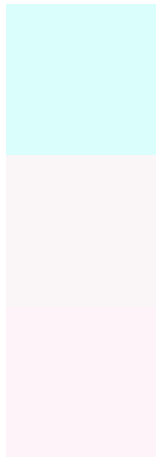


This preview shows how white text looks on a background with the CIELCh color 97, 12.645, 191.666.

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
97, 12.652, 191.661

Protanopia
97, 1.845, 3.104

Deuteranopia
97, 5.567, 339.698

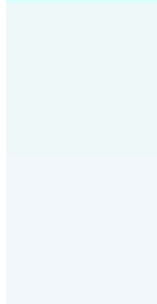


Tritanopia
97, 5.155, 243.403

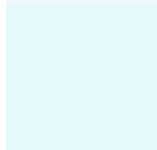
Trichromacy



Original Color
97, 12.652, 191.661



Protanomaly
97, 3.475, 199.367



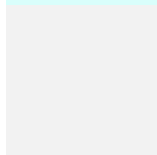
Deuteranomaly
97, 2.572, 236.221

Tritanomaly
97, 6.978, 211.804

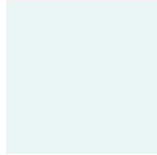
Monochromacy



Original Color
97, 12.652, 191.661



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 4.556, 192.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 12.645, 191.666 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(217, 254, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 254, 251)  
}
```

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(217, 254, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 254, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 12.645, 191.666 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(217, 254, 251) }
```

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

```
.border{ border-color:rgb(217, 254, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 254, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 254, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 254, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 254,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 12.645, 191.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 254, 251) }
```

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

```
.background{ background-color: rgb(217,  
254, 251) }
```

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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