

Converting Colors

CIELCh(96, 29.175, 138.163)

Have a look what the booklet for
CIELCh(96, 29.175, 138.163)
contains.

CIELCh(96, 29.567, 138.410)	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, 29.567, 138.410)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFCD
RGB	214, 255, 205
RGB Percent	84%, 100%, 80%
CMY	0.1618, 0.0010, 0.1971
CMYK	0.16, 0.00, 0.20, 0.00
HSL	109°, 99%, 90%
HSV	109°, 20%, 100%
XYZ	74.3238, 90.0078, 71.0552
YIQ	237.0410, -8.3860, -24.2420

Conversions

Conversions Part 2

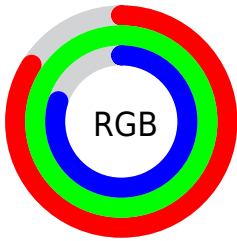
Format	Color
RYB	205, 255, 246
Decimal	14090189
CIELab	96.00, -22.11, 19.63
CIELCh	96, 29.567, 138.410
Yxy	90.0078, 0.3158, 0.3824
Android (android.graphics.Color)	4292280269 (0xFFD6FFCD)
YUV	237.0410, -15.7962, -20.2070
Hunter-Lab	94.8724, -26.1886, 22.0052

Details

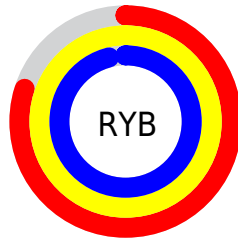
The CIELCh color **96, 29.567, 138.410** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **87, 29.819, 320.294**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 29.253, 138.457** is the 20% darker color. If you saturate the color by 10%, you get **94, 44.639, 137.790**, and if you desaturate by 10%, it is **98, 14.444, 138.967**.

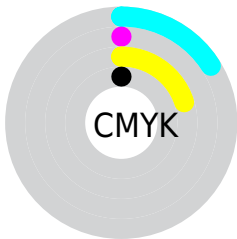
Distribution



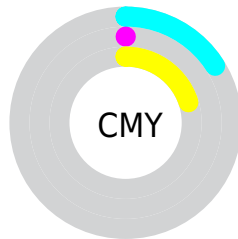
- Red (84%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 29.567, 138.410 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, 29.567, 138.410 by changing the saturation by 10% instead.


 96, 29.567,
138.410


 96, 29.567,
138.410


 100, 29.567,
138.410


 86, 29.567,
138.410

 76, 29.567,
138.410

 66, 29.567,
138.410

 56, 29.567,
138.410

 46, 29.567,
138.410

 36, 29.567,
138.410

 26, 29.567,

138.410

■ 16, 29.567,
138.410

■ 6, 29.567, 138.410

■ 96, 29.567,
138.410

■ 96, 29.567,
138.410

■ 94, 44.639,
137.790

■ 98, 14.444,
138.967

■ 93, 59.425,
137.107

100, 0.168,
322.605

■ 91, 73.613,
136.388

■ 90, 86.784,
135.683

■ 89, 98.391,
135.082

■ 89, 107.780,
134.710

■ 88, 114.345,
134.696

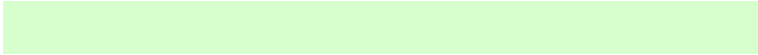
■ 88, 118.011,
135.034

■ 88, 118.119,
135.044

Harmonies

Complementary

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



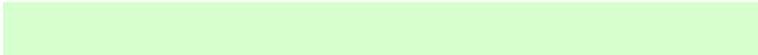
96, 29.567, 138.410



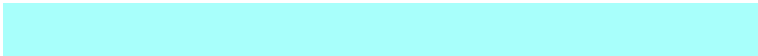
87, 29.819, 320.294

Rectangle

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



96, 29.567, 138.410



96, 29.567, 188.410



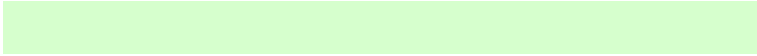
96, 29.567, 318.410



96, 29.567, 8.410

Sweetspot

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



96, 29.569, 138.411



99, 8.989, 139.158



97, 21.046, 99.130



53, 5.965, 139.123



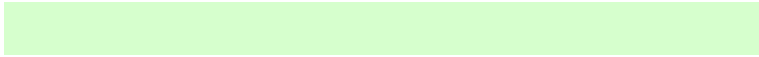
0, 0.000, 0.000



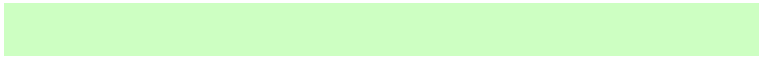
53, 0.007, 296.813

Same Dimension

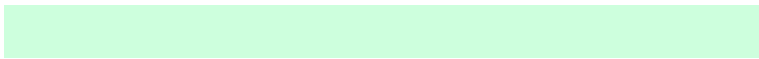
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 29.569, 138.411



95, 36.210, 138.147



96, 24.952, 153.467



52, 8.538, 138.973



68, 95.028, 134.900



23, 42.412, 134.278

Inverse Universe

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



87, 29.819, 320.294



84, 36.574, 320.496



87, 25.179, 336.372



50, 8.582, 319.820



39, 94.593, 321.400



10, 43.393, 322.180

Previews

White Background



This preview shows how the CIELCh color 96, 29.567, 138.410 looks on a white background.

Color Contrast Check

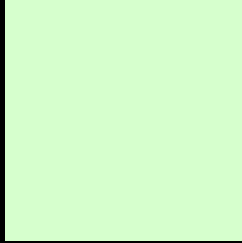
Large Text (above 18pt) WCAG AA × Fail

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, 29.567, 138.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

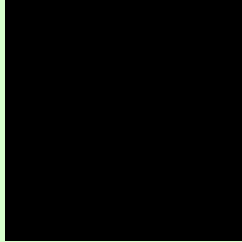
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

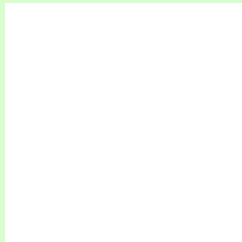
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 29.567, 138.410

Background



This preview shows how black text looks on a background with the CIELCh color 96, 29.567, 138.410.

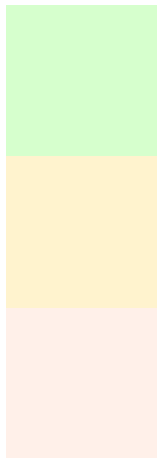


This preview shows how white text looks on a background with the CIELCh color 96, 29.567, 138.410.

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](#).

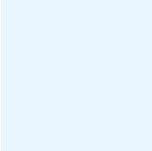
Dichromacy



Original Color
96, 29.567, 138.410

Protanopia
96, 19.389, 95.245

Deuteranopia
96, 6.476, 53.090

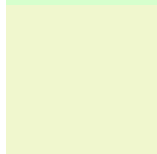


Tritanopia
96, 6.501, 251.484

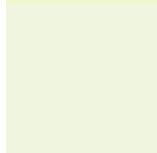
Trichromacy



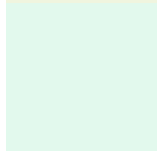
Original Color
96, 29.567, 138.410



Protanomaly
96, 21.031, 115.663



Deuteranomaly
96, 11.388, 118.461

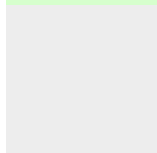


Tritanomaly
96, 10.201, 161.780

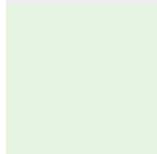
Monochromacy



Original Color
96, 29.567, 138.410



Achromatopsia
94, 0.011, 296.813



Achromatomaly
94, 10.548, 137.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 29.567, 138.410 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(214, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 205)  
}
```

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(214, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 29.567, 138.410 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(214, 255, 205) }
```

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

```
.border{ border-color:rgb(214, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 29.567, 138.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 205) }
```

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

```
.background{ background-color: rgb(214,  
255, 205) }
```

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