

Converting Colors

CIELCh(89, 18.612, 149.556)

Have a look what the booklet for
CIELCh(89, 18.612, 149.556)
contains.

CIELCh(89, 18.730, 149.752)	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(89, 18.730, 149.752)

Conversions

Conversions Part 1

Format	Color
Hex	C6E8CD
RGB	198, 232, 205
RGB Percent	78%, 91%, 80%
CMY	0.2233, 0.0900, 0.1959
CMYK	0.15, 0.00, 0.12, 0.09
HSL	132°, 43%, 84%
HSV	132°, 15%, 91%
XYZ	63.1977, 74.1641, 68.7729
YIQ	218.7560, -11.5970, -15.6050

Conversions

Conversions Part 2

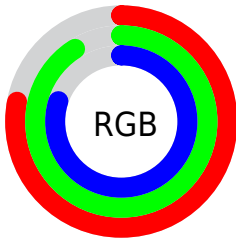
Format	Color
RYB	198, 226, 232
Decimal	13035725
CIELab	89.00, -16.18, 9.44
CIELCh	89, 18.730, 149.752
Yxy	74.1641, 0.3066, 0.3598
Android (android.graphics.Color)	4291225805 (0xFFC6E8CD)
YUV	218.7560, -6.7817, -18.2030
Hunter-Lab	86.1186, -19.7162, 12.9350

Details

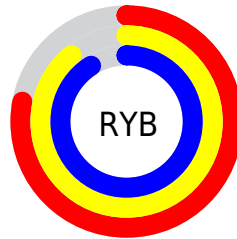
The CIELCh color **89, 18.730, 149.752** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83, 18.800, 331.644**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 18.408, 149.946** is the 20% darker color. If you saturate the color by 10%, you get **87, 31.574, 148.924**, and if you desaturate by 10%, it is **91, 5.910, 150.498**.

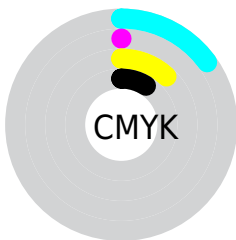
Distribution



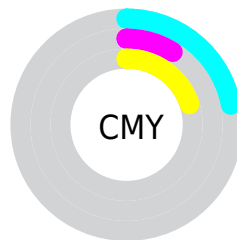
- Red (78%)
- Green (91%)
- Blue (80%)



- Red (78%)
- Yellow (89%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (22%)
- Magenta (9%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 18.730, 149.752 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 89, 18.730, 149.752 by changing the saturation by 10% instead.


 89, 18.730,
149.752


 89, 18.730,
149.752


 100, 18.730,
149.752


 79, 18.730,
149.752

 69, 18.730,
149.752

 59, 18.730,
149.752

 49, 18.730,
149.752

 39, 18.730,
149.752


 29, 18.730,
149.752


 19, 18.730,


149.752

 9, 18.730, 149.752

 0, 18.730, 149.752

 89, 18.730,
149.752


 89, 18.730,
149.752

 87, 31.574,
148.924


 91, 5.910, 150.498

 86, 44.250,
147.969

 93, 6.751, 330.998

 94, 14.329,
324.918

 84, 56.533,
146.865

 83, 68.159,
145.597

 82, 78.841,

144.164

■ 82, 88.295,
142.585

■ 81, 96.261,
140.914

■ 81, 102.530,
139.247

■ 81, 105.197,
138.444

Harmonies

Complementary

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



89, 18.730, 149.752



83, 18.800, 331.644

Rectangle

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



89, 18.730, 149.752



89, 18.730, 199.752



89, 18.730, 329.752



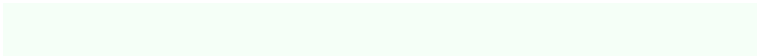
89, 18.730, 19.752

Sweetspot

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



89, 18.732, 149.751



99, 5.480, 150.548



91, 17.714, 116.993



53, 3.897, 150.488



0, 0.000, 0.000



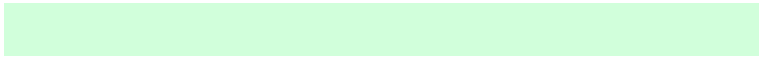
53, 0.007, 296.813

Same Dimension

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



89, 18.732, 149.751



96, 24.866, 149.480



89, 13.103, 174.620



48, 7.307, 150.141



64, 86.799, 138.715



18, 34.381, 142.202

Inverse Universe

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



83, 18.800, 331.644



89, 24.965, 331.874



83, 13.668, 357.375



46, 7.330, 331.300



41, 76.208, 338.498



9, 33.376, 336.703

Previews

White Background



This preview shows how the CIE LCh color 89, 18.730, 149.752 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 89, 18.730, 149.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

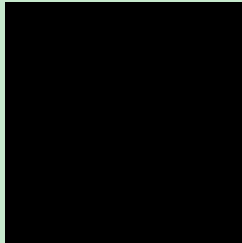
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

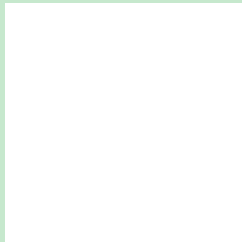
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 18.730, 149.752

Background



This preview shows how black text looks on a background with the CIELCh color 89, 18.730, 149.752.

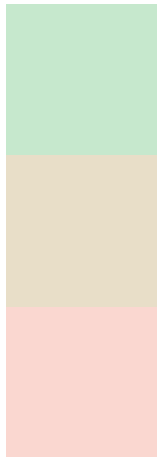


This preview shows how white text looks on a background with the CIELCh color 89, 18.730, 149.752.

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](#).

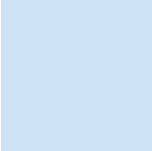
Dichromacy



Original Color
89, 18.730, 149.752

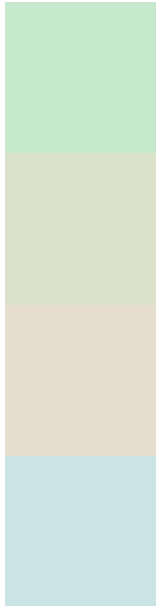
Protanopia
89, 12.007, 91.020

Deuteranopia
89, 13.630, 35.652



Tritanopia
89, 11.599, 253.318

Trichromacy



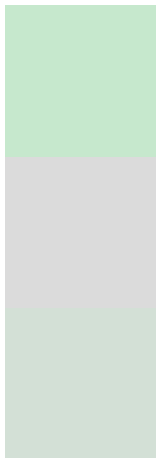
Original Color
89, 18.730, 149.752

Protanomaly
89, 12.650, 119.252

Deuteranomaly
89, 8.146, 82.510

Tritanomaly
89, 9.016, 205.526

Monochromacy



Original Color
89, 18.730, 149.752

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 7.042, 151.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 18.730, 149.752 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(198, 232, 205)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 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(198, 232, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 18.730, 149.752 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(198, 232, 205) }
```

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

```
.border{ border-color:rgb(198, 232, 205) }
```

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

Here you see how a box with a 4 pixel rgb(198, 232, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 232, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 232, 205);  
box-shadow:4px 4px 4px 4px rgb(198, 232,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 18.730, 149.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 205) }
```

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

```
.background{ background-color: rgb(198,  
232, 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