

Converting Colors

CIELCh(87, 17.927, 149.869)

Have a look what the booklet for
CIELCh(87, 17.927, 149.869)
contains.

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Color

CIELCh(87, 17.950, 149.164)

Conversions

Conversions Part 1

Format	Color
Hex	C2E2C8
RGB	194, 226, 200
RGB Percent	76%, 89%, 78%
CMY	0.2393, 0.1138, 0.2158
CMYK	0.14, 0.00, 0.12, 0.11
HSL	131°, 36%, 82%
HSV	131°, 14%, 89%
XYZ	59.8469, 70.0064, 64.9805
YIQ	213.4680, -10.7260, -14.8700

Conversions

Conversions Part 2

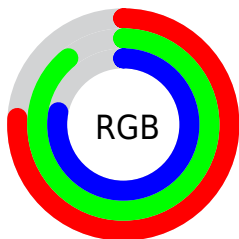
Format	Color
RYB	194, 221, 226
Decimal	12772040
CIELab	87.00, -15.41, 9.20
CIELCh	87, 17.950, 149.164
Yxy	70.0064, 0.3072, 0.3593
Android (android.graphics.Color)	4290962120 (0xFFC2E2C8)
YUV	213.4680, -6.6397, -17.0734
Hunter-Lab	83.6698, -18.7456, 12.5225

Details

The CIELCh color **87, 17.950, 149.164** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82, 18.009, 330.958**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.389, 199.794**, and **67, 18.261, 149.085** is the 20% darker color. If you saturate the color by 10%, you get **85, 30.695, 148.352**, and if you desaturate by 10%, it is **89, 5.240, 149.900**.

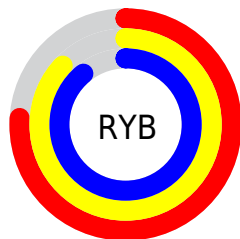
Distribution



Red (76%)

Green (89%)

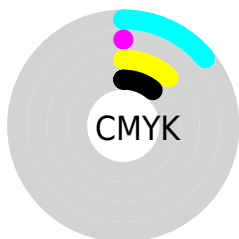
Blue (78%)



Red (76%)

Yellow (87%)

Blue (89%)

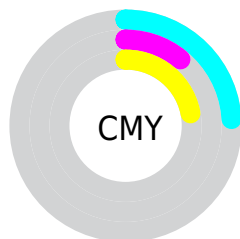


Cyan (14%)

Magenta (0%)

Yellow (12%)

Black (11%)



Cyan (24%)


Magenta (11%)


Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.950, 149.164 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 87, 17.950, 149.164 by changing the saturation by 10% instead.


 87, 17.950,
149.164


 87, 17.950,
149.164


 100, 17.950,
149.164


 77, 17.950,
149.164

 67, 17.950,
149.164

 57, 17.950,
149.164

 47, 17.950,
149.164

 37, 17.950,
149.164


 27, 17.950,
149.164


 17, 17.950,


149.164

 7, 17.950, 149.164

 0, 17.950, 149.164

 87, 17.950,
149.164


 87, 17.950,
149.164


 85, 30.695,
148.352


 89, 5.240, 149.900

 84, 43.287,
147.414

 91, 7.305, 330.387

 82, 55.501,
146.328

 93, 18.154,
325.054

 81, 67.071,
145.084

 80, 77.707,

143.680

■ 80, 87.114,
142.140

■ 79, 95.013,
140.522

■ 79, 101.171,
138.925

■ 79, 103.961,
138.100

Harmonies

Complementary

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



87, 17.950, 149.164



82, 18.009, 330.958

Rectangle

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



87, 17.950, 149.164



87, 17.950, 199.164



87, 17.950, 329.164



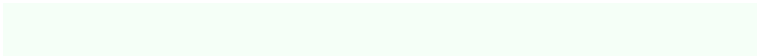
87, 17.950, 19.164

Sweetspot

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



87, 17.952, 149.164



99, 5.553, 149.911



89, 16.727, 116.357



53, 3.949, 149.852



0, 0.000, 0.000



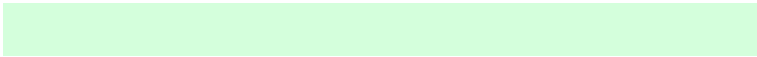
53, 0.007, 296.813

Same Dimension

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



87, 17.952, 149.164



96, 23.794, 148.936



87, 12.529, 173.527



46, 7.139, 149.512



63, 85.690, 138.364



16, 32.017, 142.863

Inverse Universe

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



82, 18.009, 330.958



89, 23.875, 331.150



81, 13.019, 356.166



44, 7.160, 330.650



40, 75.658, 337.366



7, 31.645, 335.607

Previews

White Background



This preview shows how the CIELCh color 87, 17.950, 149.164 looks on a white background.

Color Contrast Check

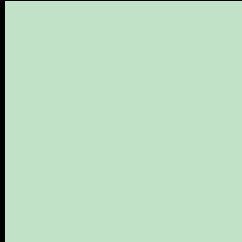
Large Text (above 18pt) WCAG AA × Fail

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 87, 17.950, 149.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

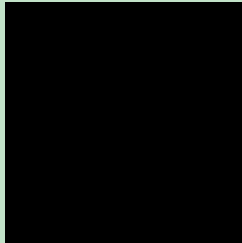
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

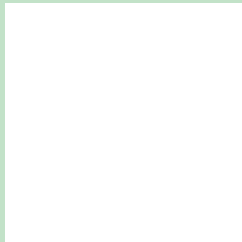
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.950, 149.164

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.950, 149.164.

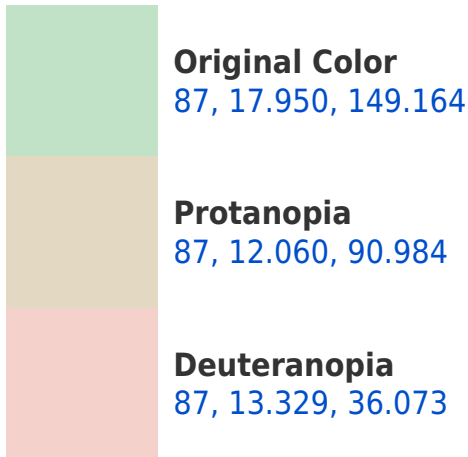


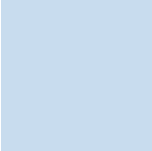
This preview shows how white text looks on a background with the CIELCh color 87, 17.950, 149.164.

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
87, 11.460, 254.715

Trichromacy



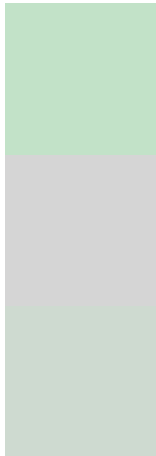
Original Color
87, 17.950, 149.164

Protanomaly
87, 12.135, 117.977

Deuteranomaly
87, 8.182, 82.482

Tritanomaly
87, 8.386, 206.098

Monochromacy



Original Color
87, 17.950, 149.164

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 6.841, 149.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.950, 149.164 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(194, 226, 200)` looks like.

```
.text, #text, p{  
    color:rgb(194, 226, 200)  
}
```

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(194, 226, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 226, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.950, 149.164 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(194, 226, 200) }
```

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

```
.border{ border-color:rgb(194, 226, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 226, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 226, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 226, 200);  
box-shadow:4px 4px 4px 4px rgb(194, 226,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.950, 149.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 226, 200) }
```

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

```
.background{ background-color: rgb(194,  
226, 200) }
```

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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