

Converting Colors

CIELCh(87, 17.515, 272.849)

Have a look what the booklet for
CIELCh(87, 17.515, 272.849)
contains.

CIELCh(87, 17.515, 272.849)	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(87, 17.515, 272.849)

Conversions

Conversions Part 1

Format	Color
Hex	CADBFB
RGB	202, 219, 251
RGB Percent	79%, 86%, 98%
CMY	0.2088, 0.1421, 0.0167
CMYK	0.20, 0.13, 0.00, 0.02
HSL	219°, 85%, 89%
HSV	219°, 20%, 98%
XYZ	66.9312, 70.0064, 101.0428
YIQ	217.5650, -20.4040, 6.3480

Conversions

Conversions Part 2

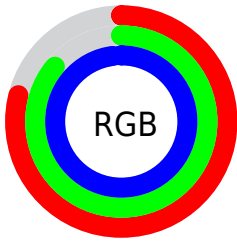
Format	Color
RYB	202, 215, 251
Decimal	13294587
CIELab	87.00, 0.87, -17.49
CIELCh	87, 17.515, 272.849
Yxy	70.0064, 0.2812, 0.2942
Android (android.graphics.Color)	4291484667 (0xFFCADBFB)
YUV	217.5650, 16.4835, -13.6505
Hunter-Lab	83.6698, -3.6322, -13.0319

Details

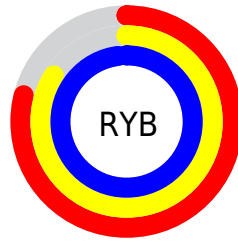
The CIELCh color `87, 17.515, 272.849` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 17.645, 87.495`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 17.383, 272.387` is the 20% darker color. If you saturate the color by 10%, you get `81, 26.663, 274.651`, and if you desaturate by 10%, it is `93, 8.494, 271.317`.

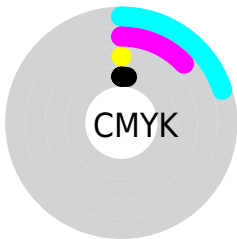
Distribution



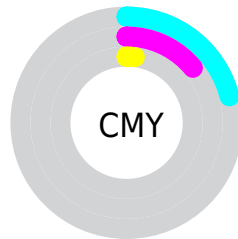
- Red (79%)
- Green (86%)
- Blue (98%)



- Red (79%)
- Yellow (84%)
- Blue (98%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (21%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.515, 272.849 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, 17.515, 272.849 by changing the saturation by 10% instead.

■ 87, 17.515,
272.849

■ 87, 17.515,
272.849

■ 100, 17.515,
272.849

■ 77, 17.515,
272.849

■ 67, 17.515,
272.849

■ 57, 17.515,
272.849

■ 47, 17.515,
272.849

■ 37, 17.515,
272.849

■ 27, 17.515,
272.849

■ 17, 17.515,

272.849

■ 7, 17.515, 272.849

■ 0, 17.515, 272.849

■ 87, 17.515,
272.849

■ 87, 17.515,
272.849

■ 81, 26.663,
274.651

■ 93, 8.494, 271.317

■ 75, 35.951,
276.773

■ 99, 0.398, 89.209

■ 69, 45.398,
279.254

■ 100, 2.145,
109.982

■ 64, 55.042,
282.124

■ 58, 64.929,

285.379

■ 53, 75.091,
288.957

■ 48, 85.482,
292.709

■ 44, 95.896,
296.370

■ 44, 96.374,
296.526

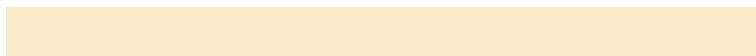
Harmonies

Complementary

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



87, 17.515, 272.849



93, 17.645, 87.495

Rectangle

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



87, 17.515, 272.849



87, 17.515, 322.849



87, 17.515, 92.849



87, 17.515, 142.849

Sweetspot

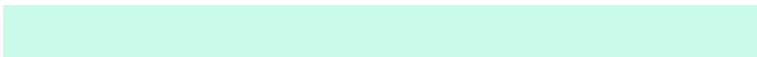
The Sweet Spot groups the original color and five complimentary colors.



87, 17.514, 272.845



96, 5.407, 270.846



95, 19.130, 170.744



51, 3.587, 270.929



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, 17.514, 272.845



86, 20.950, 273.441



83, 26.102, 297.731



49, 5.048, 271.310



33, 76.423, 295.875



8, 29.935, 290.323

Inverse Universe

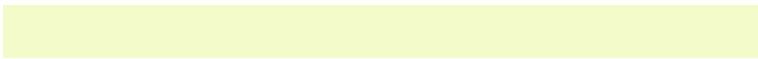
The Inverse Universe completely reimagines the original color for something new.



86, 20.027, 354.736



85, 24.024, 355.153



97, 24.984, 114.588



49, 5.712, 353.627



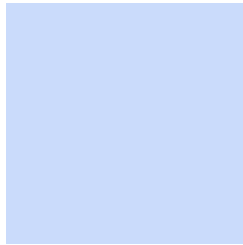
40, 68.598, 16.848



9, 30.469, 8.681

Previews

White Background



This preview shows how the CIE LCh color 87, 17.515, 272.849 looks on a white background.

Color Contrast Check

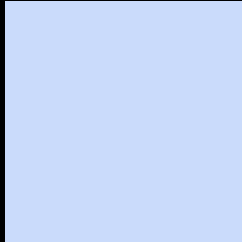
Large Text (above 18pt) WCAG AA × Fail

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 87, 17.515, 272.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

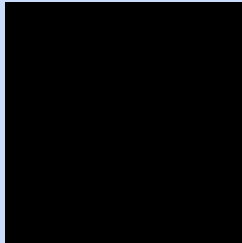
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

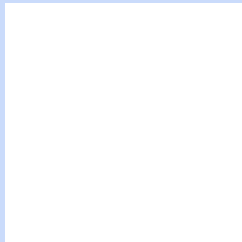
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.515, 272.849

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.515, 272.849.



This preview shows how white text looks on a background with the CIELCh color 87, 17.515, 272.849.

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](#).

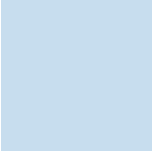
Dichromacy



Original Color
87, 17.515, 272.849

Protanopia
87, 17.314, 287.162

Deuteranopia
87, 21.320, 301.000



Tritanopia
87, 11.445, 250.332

Trichromacy



Original Color
87, 17.515, 272.849

Protanomaly
87, 17.471, 281.716

Deuteranomaly
87, 19.941, 292.788

Tritanomaly
87, 13.617, 261.669

Monochromacy



Original Color
87, 17.515, 272.849

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.217, 267.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.515, 272.849 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(202, 219, 251)` looks like.

```
.text, #text, p{  
    color:rgb(202, 219, 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(202, 219, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 219, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.515, 272.849 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(202, 219, 251) }
```

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

```
.border{ border-color:rgb(202, 219, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 219, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 219, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 219, 251);  
box-shadow:4px 4px 4px 4px rgb(202, 219,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.515, 272.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 219, 251) }
```

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

```
.background{ background-color: rgb(202,  
219, 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](#).

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