

Converting Colors

CIELCh(87, 17.560, 265.531)

Have a look what the booklet for
CIELCh(87, 17.560, 265.531)
contains.

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Color

CIELCh(87, 17.685, 266.228)

Conversions

Conversions Part 1

Format	Color
Hex	C5DCFB
RGB	197, 220, 251
RGB Percent	77%, 86%, 98%
CMY	0.2275, 0.1373, 0.0158
CMYK	0.22, 0.12, 0.00, 0.02
HSL	214°, 87%, 88%
HSV	214°, 22%, 98%
XYZ	66.0172, 70.0064, 101.2813
YIQ	216.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

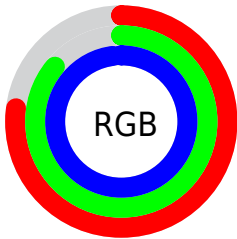
Format	Color
RYB	197, 213, 251
Decimal	12967163
CIELab	87.00, -1.16, -17.65
CIELCh	87, 17.685, 266.228
Yxy	70.0064, 0.2782, 0.2950
Android (android.graphics.Color)	4291157243 (0xFFC5DCFB)
YUV	216.6570, 16.9311, -17.2392
Hunter-Lab	83.6698, -5.5820, -13.2009

Details

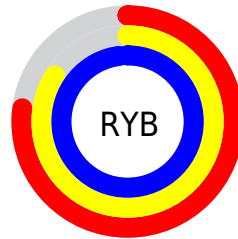
The CIELCh color `87, 17.685, 266.228` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 18.260, 80.174`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `67, 17.560, 265.531` is the 20% darker color. If you saturate the color by 10%, you get `82, 25.919, 268.144`, and if you desaturate by 10%, it is `92, 9.456, 264.608`.

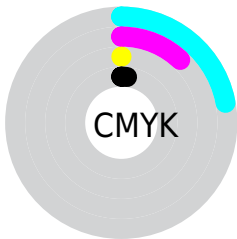
Distribution



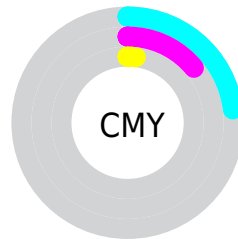
- Red (77%)
- Green (86%)
- Blue (98%)



- Red (77%)
- Yellow (84%)
- Blue (98%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (23%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 17.685, 266.228 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, 17.685, 266.228 by changing the saturation by 10% instead.

■ 87, 17.685,
266.228

■ 87, 17.685,
266.228

■ 100, 17.685,
266.228

■ 77, 17.685,
266.228

■ 67, 17.685,
266.228

■ 57, 17.685,
266.228

■ 47, 17.685,
266.228

■ 37, 17.685,
266.228

■ 27, 17.685,
266.228

■ 17, 17.685,

266.228

■ 7, 17.685, 266.228

■ 0, 17.685, 266.228

■ 87, 17.685,
266.228

■ 87, 17.685,
266.228

■ 82, 25.919,
268.144

■ 92, 9.456, 264.608

■ 76, 34.155,
270.414

■ 98, 1.250, 263.471

■ 71, 42.399,
273.084

■ 100, 2.028,
109.988

■ 66, 50.683,
276.191

■ 61, 59.063,

279.739

■ 57, 67.615,
283.668

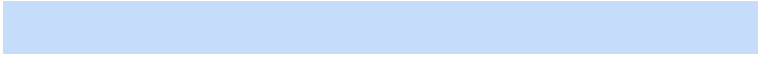
■ 52, 76.394,
287.834

■ 49, 84.020,
291.331

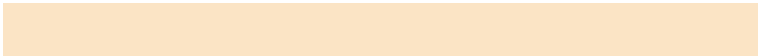
Harmonies

Complementary

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



87, 17.685, 266.228



92, 18.260, 80.174

Rectangle

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



87, 17.685, 266.228



87, 17.685, 316.228



87, 17.685, 86.228



87, 17.685, 136.228

Sweetspot

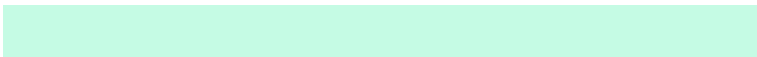
The Sweet Spot groups the original color and five complimentary colors.



87, 17.684, 266.224



97, 4.991, 263.849



94, 22.345, 165.414



51, 3.310, 263.933



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, 17.684, 266.224



86, 21.655, 267.049



81, 28.767, 294.998



49, 4.651, 264.316



37, 66.570, 290.577



10, 26.185, 284.311

Inverse Universe

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



85, 23.088, 349.904



83, 28.388, 350.421



97, 27.356, 110.925



49, 5.984, 348.647



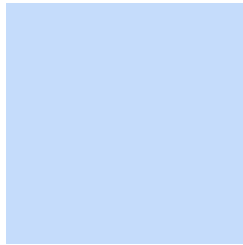
40, 67.403, 9.228



10, 30.565, 2.233

Previews

White Background



This preview shows how the CIE LCh color 87, 17.685, 266.228 looks on a white background.

Color Contrast Check

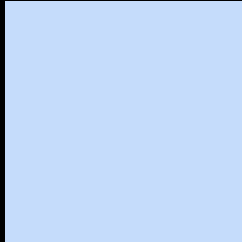
Large Text (above 18pt) WCAG AA × Fail

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, 17.685, 266.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

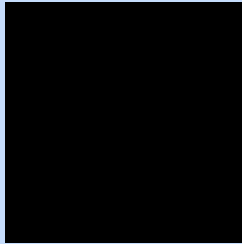
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

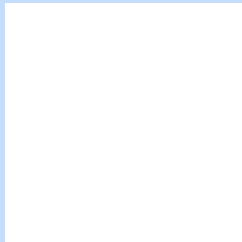
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 17.685, 266.228

Background



This preview shows how black text looks on a background with the CIELCh color 87, 17.685, 266.228.



This preview shows how white text looks on a background with the CIELCh color 87, 17.685, 266.228.

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, 17.685, 266.228

Protanopia

87, 16.793, 286.972

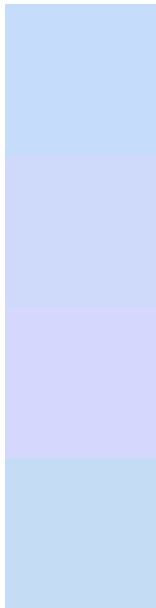
Deuteranopia

87, 21.837, 300.806



Tritanopia
87, 12.871, 246.245

Trichromacy



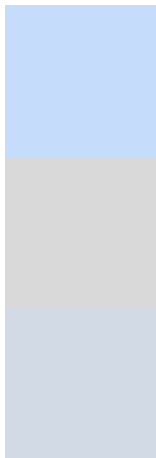
Original Color
87, 17.685, 266.228

Protanomaly
87, 17.011, 280.252

Deuteranomaly
87, 19.393, 289.809

Tritanomaly
87, 14.429, 255.936

Monochromacy



Original Color
87, 17.685, 266.228

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.355, 264.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 17.685, 266.228 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(197, 220, 251)` looks like.

```
.text, #text, p{  
    color:rgb(197, 220, 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(197, 220, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 220, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 17.685, 266.228 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(197, 220, 251) }
```

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

```
.border{ border-color:rgb(197, 220, 251) }
```

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

Here you see how a box with a 4 pixel rgb(197, 220, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 220, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 220, 251);  
box-shadow:4px 4px 4px 4px rgb(197, 220,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 17.685, 266.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 220, 251) }
```

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

```
.background{ background-color: rgb(197,  
220, 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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