

Converting Colors

CIELCh(87, 42.564, 298.223)

Have a look what the booklet for
CIELCh(87, 42.564, 298.223)
contains.

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Color

CIELCh(86, 25.076, 300.631)

Conversions

Conversions Part 1

Format	Color
Hex	DCD1FF
RGB	220, 209, 255
RGB Percent	86%, 82%, 100%
CMY	0.1378, 0.1810, 0.0000
CMYK	0.14, 0.18, 0.00, 0.00
HSL	254°, 100%, 91%
HSV	254°, 18%, 100%
XYZ	70.4186, 67.9871, 104.7538
YIQ	217.5330, -8.2100, 16.6380

Conversions

Conversions Part 2

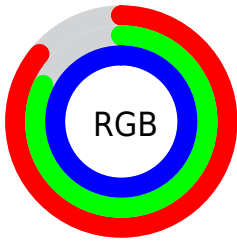
Format	Color
R _Y B	220, 209, 255
Decimal	14471679
CIE _{Lab}	86.00, 12.78, -21.58
CIE _{LCh}	86, 25.076, 300.631
Y _{xy}	67.9871, 0.2896, 0.2796
Android (android.graphics.Color)	4292661759 (0xFFDCD1FF)
YUV	217.5330, 18.4712, 2.1636
Hunter-Lab	82.4543, 8.1496, -17.6068

Details

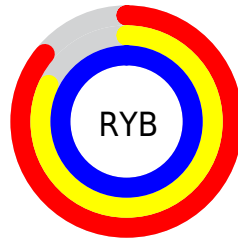
The CIELCh color `86, 25.076, 300.631` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 23.713, 118.306`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 24.192, 300.827` is the 20% darker color. If you saturate the color by 10%, you get `78, 38.948, 301.629`, and if you desaturate by 10%, it is `94, 10.820, 300.007`.

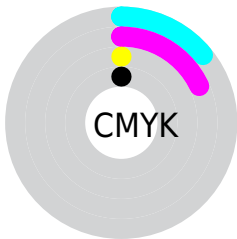
Distribution



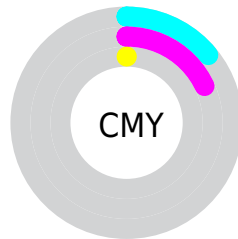
- Red (86%)
- Green (82%)
- Blue (100%)



- Red (86%)
- Yellow (82%)
- Blue (100%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (18%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 25.076, 300.631 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 86, 25.076, 300.631 by changing the saturation by 10% instead.


 86, 25.076,
300.631


 86, 25.076,
300.631


 100, 25.076,
300.631


 76, 25.076,
300.631

 66, 25.076,
300.631

 56, 25.076,
300.631

 46, 25.076,
300.631

 36, 25.076,
300.631

 26, 25.076,
300.631

 16, 25.076,

300.631

■ 6, 25.076, 300.631

■ 0, 25.076, 300.631

■ 86, 25.076,
300.631

■ 86, 25.076,
300.631

■ 78, 38.948,
301.629

■ 94, 10.820,
300.007

■ 70, 53.772,
302.604

100, 0.012,
296.813

■ 63, 69.000,
303.677

■ 56, 84.392,
304.810

■ 49, 99.422,

305.923

■ 43, 113.104,
306.870

■ 38, 123.926,
307.447

■ 35, 130.449,
307.479

■ 34, 131.400,
307.468

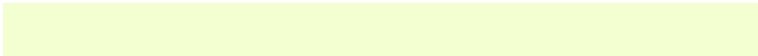
Harmonies

Complementary

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



86, 25.076, 300.631



98, 23.713, 118.306

Rectangle

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



86, 25.076, 300.631



86, 25.076, 350.631



86, 25.076, 120.631



86, 25.076, 170.631

Sweetspot

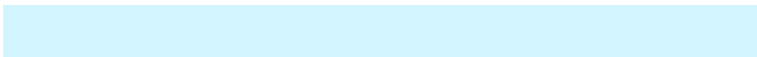
The Sweet Spot groups the original color and five complimentary colors.



86, 24.624, 300.764



96, 6.642, 299.791



94, 12.863, 224.408



51, 4.537, 299.839



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 24.624, 300.764



83, 30.145, 301.088



88, 26.895, 317.554



49, 7.611, 300.107



25, 105.640, 307.597



4, 44.635, 306.333

Inverse Universe

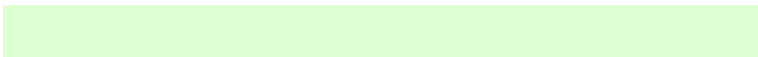
The Inverse Universe completely reimagines the original color for something new.



89, 24.539, 333.095



86, 29.856, 333.370



97, 26.571, 135.942



50, 7.670, 332.499



43, 77.475, 340.633



11, 36.390, 338.793

Previews

White Background



This preview shows how the CIELCh color 86, 25.076, 300.631 looks on a white background.

Color Contrast Check

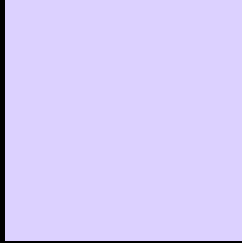
Large Text (above 18pt) WCAG AA × Fail

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 86, 25.076, 300.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

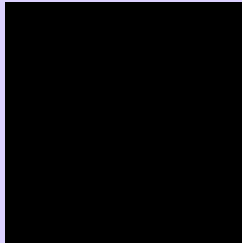
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 25.076, 300.631

Background



This preview shows how black text looks on a background with the CIELCh color 86, 25.076, 300.631.

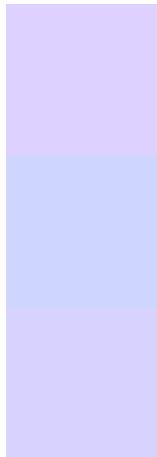


This preview shows how white text looks on a background with the CIELCh color 86, 25.076, 300.631.

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

86, 24.536, 300.781

Protanopia

86, 22.122, 286.045

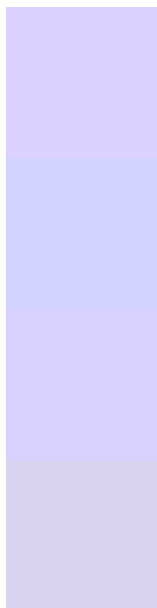
Deuteranopia

86, 23.786, 296.949



Tritanopia
86, 9.011, 297.629

Trichromacy



Original Color
86, 24.536, 300.781

Protanomaly
86, 23.133, 292.103

Deuteranomaly
86, 23.820, 297.749

Tritanomaly
86, 14.904, 299.375

Monochromacy



Original Color
86, 24.536, 300.781

Achromatopsia
87, 0.010, 296.813

Achromatomaly
86, 9.055, 299.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 25.076, 300.631 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(220, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 209, 255)  
}
```

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(220, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 209, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 25.076, 300.631 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(220, 209, 255) }
```

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

```
.border{ border-color:rgb(220, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 209,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 25.076, 300.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 209, 255) }
```

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

```
.background{ background-color: rgb(220,  
209, 255) }
```

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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