

Converting Colors

CIELCh(87, 23.139, 280.484)

Have a look what the booklet for
CIELCh(87, 23.139, 280.484)
contains.

CIELCh(87, 20.307, 278.758)	3
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Color

CIELCh(87, 20.307, 278.758)

Conversions

Conversions Part 1

Format	Color
Hex	CCDAFF
RGB	204, 218, 255
RGB Percent	80%, 85%, 100%
CMY	0.2014, 0.1465, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	224°, 100%, 90%
HSV	224°, 20%, 100%
XYZ	67.9389, 70.0064, 105.1001
YIQ	218.0320, -20.2210, 8.5390

Conversions

Conversions Part 2

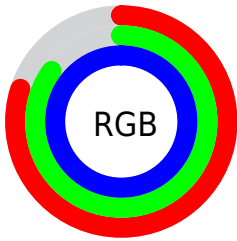
Format	Color
RYB	204, 215, 255
Decimal	13425407
CIELab	87.00, 3.09, -20.07
CIElCh	87, 20.307, 278.758
Yxy	70.0064, 0.2795, 0.2880
Android (android.graphics.Color)	4291615487 (0xFFCCDAFF)
YUV	218.0320, 18.2252, -12.3061
Hunter-Lab	83.6698, -1.4823, -15.9070

Details

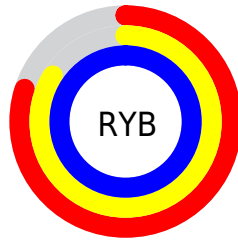
The CIELCh color `87, 20.307, 278.758` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 19.787, 93.186`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 19.768, 278.291` is the 20% darker color. If you saturate the color by 10%, you get `81, 30.237, 280.231`, and if you desaturate by 10%, it is `93, 9.944, 277.000`.

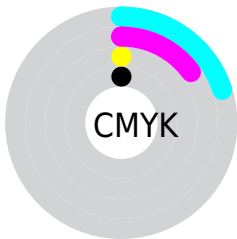
Distribution



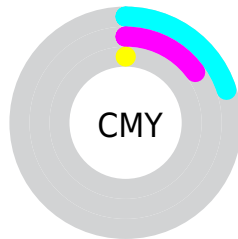
- Red (80%)
- Green (85%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 20.307, 278.758 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, 20.307, 278.758 by changing the saturation by 10% instead.


 87, 20.307,
278.758


 87, 20.307,
278.758


 100, 20.307,
278.758


 77, 20.307,
278.758

 67, 20.307,
278.758

 57, 20.307,
278.758

 47, 20.307,
278.758

 37, 20.307,
278.758

 27, 20.307,
278.758

 17, 20.307,

278.758

■ 7, 20.307, 278.758

■ 0, 20.307, 278.758

■ 87, 20.307,
278.758

■ 87, 20.307,
278.758

■ 81, 30.237,
280.231

■ 93, 9.944, 277.000

■ 74, 40.770,
282.278

100, 0.146,
277.340

■ 68, 51.602,
284.662

100, 0.012,
296.813

■ 61, 62.771,
287.401

■ 55, 74.296,

290.474

■ 50, 86.113,
293.790

■ 45, 97.962,
297.166

■ 40, 109.124,
300.265

Harmonies

Complementary

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



87, 20.307, 278.758



95, 19.787, 93.186

Rectangle

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



87, 20.307, 278.758



87, 20.307, 328.758



87, 20.307, 98.758



87, 20.307, 148.758

Sweetspot

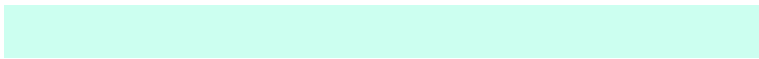
The Sweet Spot groups the original color and five complimentary colors.



87, 19.969, 278.484



96, 5.861, 276.462



96, 19.114, 175.214



51, 3.890, 276.543



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, 19.969, 278.484



84, 23.903, 279.126



84, 27.445, 300.158



50, 5.572, 276.914



30, 86.410, 299.717



7, 34.650, 294.917

Inverse Universe

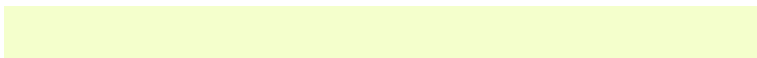
The Inverse Universe completely reimagines the original color for something new.



87, 20.260, 359.961



84, 24.321, 0.450



98, 26.289, 117.285



50, 5.592, 358.739



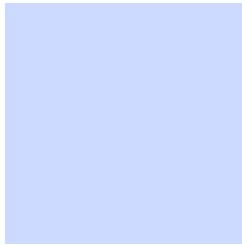
40, 71.691, 23.689



10, 31.584, 14.585

Previews

White Background



This preview shows how the CIELCh color 87, 20.307, 278.758 looks on a white background.

Color Contrast Check

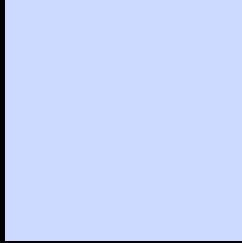
Large Text (above 18pt) WCAG AA × Fail

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, 20.307, 278.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

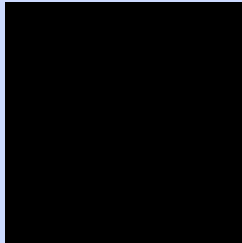
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 20.307, 278.758

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.307, 278.758.



This preview shows how white text looks on a background with the CIELCh color 87, 20.307, 278.758.

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

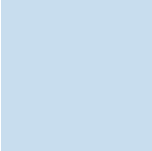
87, 19.784, 278.334

Protanopia

87, 19.961, 286.105

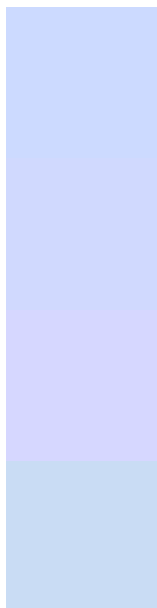
Deuteranopia

87, 22.197, 298.040



Tritanopia
87, 11.242, 251.644

Trichromacy



Original Color
87, 19.784, 278.334

Protanomaly
87, 19.529, 283.010

Deuteranomaly
87, 20.959, 290.998

Tritanomaly
87, 13.924, 264.010

Monochromacy



Original Color
87, 19.784, 278.334

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.997, 276.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.307, 278.758 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(204, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 218, 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(204, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 218, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.307, 278.758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

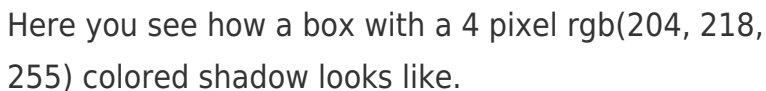
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 218, 255) }
```

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

```
.border{ border-color:rgb(204, 218, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 218,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.307, 278.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 218, 255) }
```

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

```
.background{ background-color: rgb(204,  
218, 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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