

Converting Colors

CIELCh(87, 19.059, 273.297)

Have a look what the booklet for
CIELCh(87, 19.059, 273.297)
contains.

CIELCh(87, 19.173, 272.746)	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, 19.173, 272.746)

Conversions

Conversions Part 1

Format	Color
Hex	C8DBFE
RGB	200, 219, 254
RGB Percent	78%, 86%, 100%
CMY	0.2162, 0.1417, 0.0044
CMYK	0.21, 0.14, 0.00, 0.00
HSL	219°, 96%, 89%
HSV	219°, 21%, 100%
XYZ	66.9528, 70.0064, 103.6405
YIQ	217.3090, -22.5590, 6.8570

Conversions

Conversions Part 2

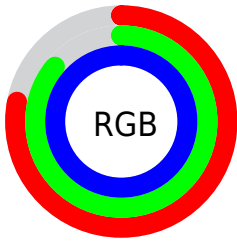
Format	Color
R _{YB}	200, 214, 254
Decimal	13163518
CIE Lab	87.00, 0.92, -19.15
CIE LCh	87, 19.173, 272.746
Yxy	70.0064, 0.2783, 0.2910
Android (android.graphics.Color)	4291353598 (0xFFC8DBFE)
YUV	217.3090, 18.0887, -15.1800
Hunter-Lab	83.6698, -3.5860, -14.8727

Details

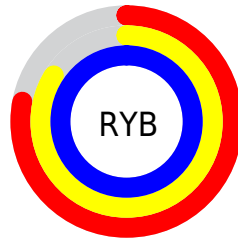
The CIELCh color `87, 19.173, 272.746` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 19.357, 86.855`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 19.119, 272.476` is the 20% darker color. If you saturate the color by 10%, you get `81, 28.374, 274.606`, and if you desaturate by 10%, it is `93, 10.093, 271.163`.

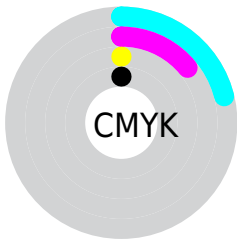
Distribution



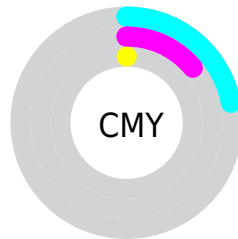
- Red (78%)
- Green (86%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.173, 272.746 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, 19.173, 272.746 by changing the saturation by 10% instead.


 87, 19.173,
272.746

 87, 19.173,
272.746


 100, 19.173,
272.746


 77, 19.173,
272.746

 67, 19.173,
272.746

 57, 19.173,
272.746

 47, 19.173,
272.746

 37, 19.173,
272.746

 27, 19.173,
272.746

 17, 19.173,

272.746

■ 7, 19.173, 272.746

■ 0, 19.173, 272.746

■ 87, 19.173,
272.746

■ 87, 19.173,
272.746

■ 81, 28.374,
274.606

■ 93, 10.093,
271.163

■ 75, 37.711,
276.796

■ 99, 1.137, 270.036

■ 69, 47.205,
279.353

100, 0.561,
109.998

■ 64, 56.896,
282.305

■ 58, 66.833,

285.641

■ 53, 77.043,
289.285

■ 48, 87.468,
293.074

■ 45, 96.577,
296.269

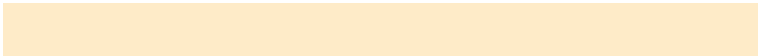
Harmonies

Complementary

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



87, 19.173, 272.746



94, 19.357, 86.855

Rectangle

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



87, 19.173, 272.746



87, 19.173, 322.746



87, 19.173, 92.746



87, 19.173, 142.746

Sweetspot

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



87, 19.172, 272.742



96, 5.379, 270.445



96, 21.246, 169.487



51, 3.569, 270.528



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, 19.172, 272.742



85, 23.595, 273.588



83, 28.773, 297.318



50, 5.105, 270.913



34, 76.651, 295.622



9, 30.743, 290.322

Inverse Universe

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



86, 22.133, 354.616



83, 27.329, 355.201



98, 27.412, 113.758



50, 5.823, 353.307



40, 69.185, 16.441



10, 31.306, 8.842

Previews

White Background



This preview shows how the CIELCh color 87, 19.173, 272.746 looks on a white background.

Color Contrast Check

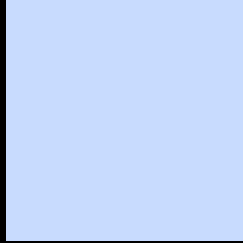
Large Text (above 18pt) WCAG AA × Fail

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, 19.173, 272.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

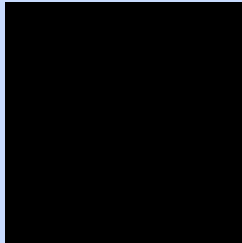
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

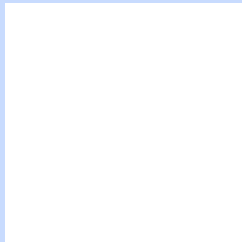
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 19.173, 272.746

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.173, 272.746.



This preview shows how white text looks on a background with the CIELCh color 87, 19.173, 272.746.

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

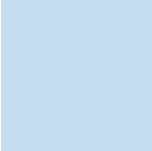
87, 19.173, 272.746

Protanopia

87, 18.897, 286.680

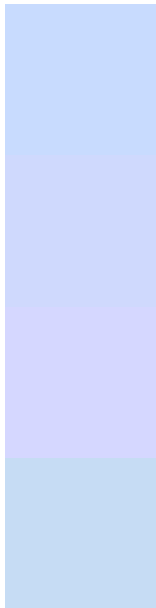
Deuteranopia

87, 22.821, 299.614



Tritanopia
87, 12.240, 249.619

Trichromacy



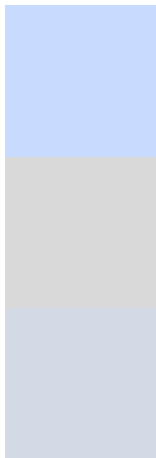
Original Color
87, 19.173, 272.746

Protanomaly
87, 19.060, 281.735

Deuteranomaly
87, 20.961, 290.094

Tritanomaly
87, 14.369, 260.485

Monochromacy



Original Color
87, 19.173, 272.746

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.699, 269.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.173, 272.746 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(200, 219, 254)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 254)  
}
```

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(200, 219, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.173, 272.746 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(200, 219, 254) }
```

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

```
.border{ border-color:rgb(200, 219, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 254);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.173, 272.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 254) }
```

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

```
.background{ background-color: rgb(200,  
219, 254) }
```

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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