

Converting Colors

CIELCh(87, 21.796, 276.277)

Have a look what the booklet for
CIELCh(87, 21.796, 276.277)
contains.

CIELCh(87, 20.085, 274.750)	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, 20.085, 274.750)

Conversions

Conversions Part 1

Format	Color
Hex	C9DBFF
RGB	201, 219, 255
RGB Percent	79%, 86%, 100%
CMY	0.2137, 0.1431, 0.0000
CMYK	0.21, 0.14, 0.00, 0.00
HSL	220°, 100%, 89%
HSV	220°, 21%, 100%
XYZ	67.2896, 70.0064, 105.0136
YIQ	217.7220, -22.2840, 7.3800

Conversions

Conversions Part 2

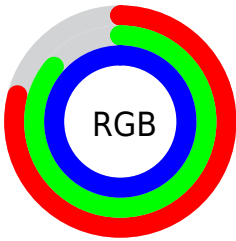
Format	Color
R _Y B	201, 215, 255
Decimal	13229055
CIE Lab	87.00, 1.66, -20.02
CIE LCh	87, 20.085, 274.750
Yxy	70.0064, 0.2777, 0.2889
Android (android.graphics.Color)	4291419135 (0xFFC9DBFF)
YUV	217.7220, 18.3781, -14.6652
Hunter-Lab	83.6698, -2.8675, -15.8457

Details

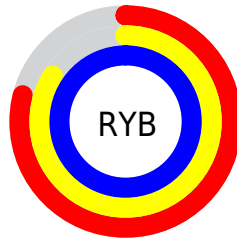
The CIELCh color `87, 20.085, 274.750` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 19.904, 88.617`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 19.540, 274.029` is the 20% darker color. If you saturate the color by 10%, you get `81, 29.342, 276.323`, and if you desaturate by 10%, it is `93, 10.467, 272.909`.

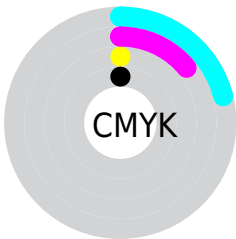
Distribution



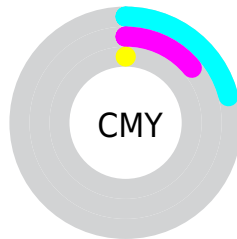
- Red (79%)
- Green (86%)
- Blue (100%)



- Red (79%)
- Yellow (84%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.085, 274.750 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, 20.085, 274.750 by changing the saturation by 10% instead.

■ 87, 20.085,
274.750

■ 87, 20.085,
274.750

■ 100, 20.085,
274.750

■ 77, 20.085,
274.750

■ 67, 20.085,
274.750

■ 57, 20.085,
274.750

■ 47, 20.085,
274.750

■ 37, 20.085,
274.750

■ 27, 20.085,
274.750

■ 17, 20.085,

274.750

■ 7, 20.085, 274.750

■ 0, 20.085, 274.750

■ 87, 20.085,
274.750

■ 87, 20.085,
274.750

■ 81, 29.342,
276.323

■ 93, 10.467,
272.909

■ 75, 39.030,
278.489

■ 99, 1.261, 271.757

■ 69, 48.918,
281.015

100, 0.012,
296.813

■ 63, 59.046,
283.926

■ 58, 69.457,

287.204

■ 52, 80.156,
290.767

■ 47, 91.032,
294.446

■ 44, 100.326,
297.481

Harmonies

Complementary

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



87, 20.085, 274.750



94, 19.904, 88.617

Rectangle

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



87, 20.085, 274.750



87, 20.085, 324.750



87, 20.085, 94.750



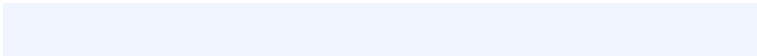
87, 20.085, 144.750

Sweetspot

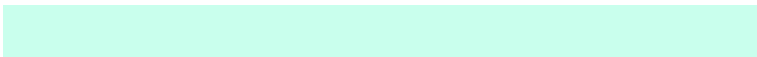
The Sweet Spot groups the original color and five complimentary colors.



87, 19.825, 274.476



96, 5.504, 272.182



96, 20.931, 171.645



51, 3.652, 272.265



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, 19.825, 274.476



84, 24.210, 275.294



83, 29.081, 298.504



50, 5.226, 272.646



33, 79.357, 296.853



8, 31.835, 291.742

Inverse Universe

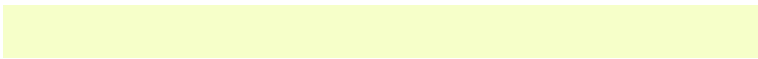
The Inverse Universe completely reimagines the original color for something new.



86, 22.092, 356.079



83, 27.062, 356.661



98, 27.726, 115.141



50, 5.755, 354.738



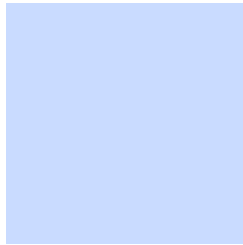
40, 69.738, 18.470



10, 31.355, 10.531

Previews

White Background



This preview shows how the CIE LCh color 87, 20.085, 274.750 looks on a white background.

Color Contrast Check

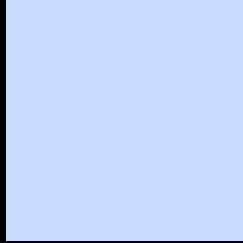
Large Text (above 18pt) WCAG AA × Fail

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, 20.085, 274.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

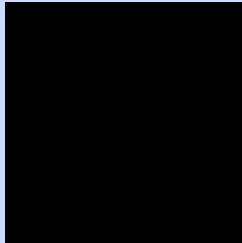
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

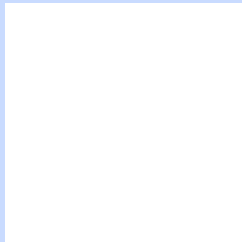
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.085, 274.750

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.085, 274.750.



This preview shows how white text looks on a background with the CIELCh color 87, 20.085, 274.750.

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

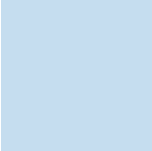
87, 19.574, 274.212

Protanopia

87, 19.418, 286.868

Deuteranopia

87, 22.197, 298.040



Tritanopia
87, 12.240, 249.619

Trichromacy



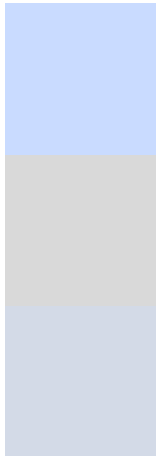
Original Color
87, 19.574, 274.212

Protanomaly
87, 19.574, 282.063

Deuteranomaly
87, 20.961, 290.094

Tritanomaly
87, 14.812, 261.610

Monochromacy



Original Color
87, 19.574, 274.212

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 7.187, 270.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.085, 274.750 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(201, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 219, 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(201, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.085, 274.750 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(201, 219, 255) }
```

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

```
.border{ border-color:rgb(201, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.085, 274.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 219, 255) }
```

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

```
.background{ background-color: rgb(201,  
219, 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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