

Converting Colors

CIELCh(83, 25.202, 270.967)

Have a look what the booklet for
CIELCh(83, 25.202, 270.967)
contains.

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Color

CIELCh(83, 25.172, 270.796)

Conversions

Conversions Part 1

Format	Color
Hex	B4D1FE
RGB	180, 209, 254
RGB Percent	71%, 82%, 100%
CMY	0.2958, 0.1821, 0.0057
CMYK	0.29, 0.18, 0.00, 0.01
HSL	216°, 96%, 85%
HSV	216°, 29%, 99%
XYZ	59.2294, 62.1629, 102.2592
YIQ	205.4590, -31.7290, 7.8470

Conversions

Conversions Part 2

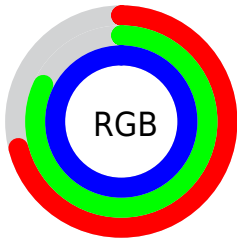
Format	Color
R _Y B	180, 201, 254
Decimal	11850238
CIE Lab	83.00, 0.35, -25.17
CIE LCh	83, 25.172, 270.796
Yxy	62.1629, 0.2648, 0.2779
Android (android.graphics.Color)	4290040318 (0xFFB4D1FE)
YUV	205.4590, 23.9307, -22.3275
Hunter-Lab	78.8435, -3.8820, -21.7081

Details

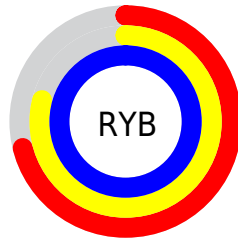
The CIELCh color `83, 25.172, 270.796` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `91, 25.935, 82.288`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.178, 199.121`, and `63, 24.979, 269.997` is the 20% darker color. If you saturate the color by 10%, you get `77, 33.918, 272.953`, and if you desaturate by 10%, it is `89, 16.485, 268.962`.

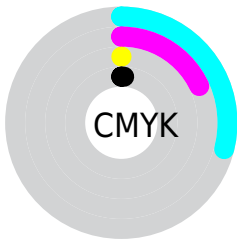
Distribution



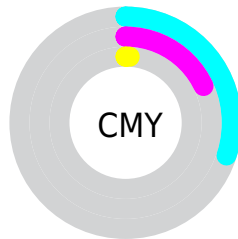
- Red (71%)
- Green (82%)
- Blue (100%)



- Red (71%)
- Yellow (79%)
- Blue (100%)



- Cyan (29%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (30%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 25.172, 270.796 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 83, 25.172, 270.796 by changing the saturation by 10% instead.

■ 83, 25.172,
270.796

■ 83, 25.172,
270.796

■ 100, 25.172,
270.796

■ 73, 25.172,
270.796

■ 63, 25.172,
270.796

■ 53, 25.172,
270.796

■ 43, 25.172,
270.796

■ 33, 25.172,
270.796

■ 23, 25.172,
270.796

■ 13, 25.172,

270.796

■ 3, 25.172, 270.796

■ 0, 25.172, 270.796

■ 83, 25.172,
270.796

■ 83, 25.172,
270.796

■ 77, 33.918,
272.953

■ 89, 16.485,
268.962

■ 72, 42.738,
275.488

■ 94, 7.863, 267.420

■ 67, 51.662,
278.435

100, 0.634,
104.011

■ 61, 60.743,
281.801

100, 0.727,
110.017

■ 56, 70.040,

285.535

■ 52, 79.583,
289.505

■ 47, 89.303,
293.461

■ 47, 90.106,
293.764

Harmonies

Complementary

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



83, 25.172, 270.796



91, 25.935, 82.288

Rectangle

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



83, 25.172, 270.796



83, 25.172, 320.796



83, 25.172, 90.796



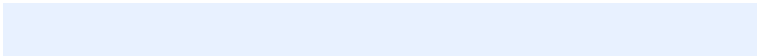
83, 25.172, 140.796

Sweetspot

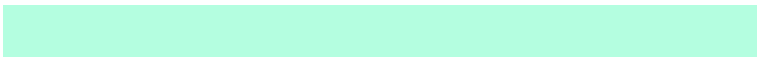
The Sweet Spot groups the original color and five complimentary colors.



83, 25.171, 270.794



95, 7.745, 267.395



94, 29.585, 166.548



50, 5.384, 267.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 25.171, 270.794



80, 30.396, 272.011



76, 40.016, 297.087



50, 4.894, 267.466



36, 71.578, 293.069



9, 28.742, 287.420

Inverse Universe

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



81, 31.232, 352.964



78, 37.781, 353.752



97, 37.307, 111.704



50, 5.960, 350.733



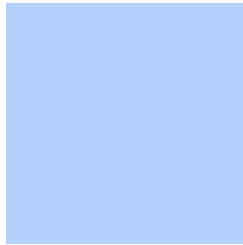
41, 68.432, 12.585



10, 31.290, 5.470

Previews

White Background



This preview shows how the CIE LCh color 83, 25.172, 270.796 looks on a white background.

Color Contrast Check

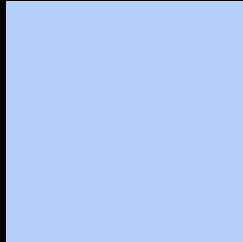
Large Text (above 18pt) WCAG AA × Fail

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 83, 25.172, 270.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

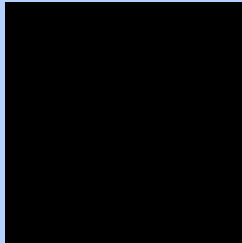
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

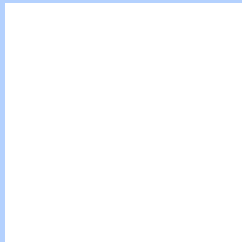
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 25.172, 270.796

Background



This preview shows how black text looks on a background with the CIELCh color 83, 25.172, 270.796.



This preview shows how white text looks on a background with the CIELCh color 83, 25.172, 270.796.

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

83, 25.172, 270.796

Protanopia

83, 24.945, 286.309

Deuteranopia

83, 28.070, 292.569



Tritanopia
83, 15.497, 234.310

Trichromacy



Original Color
83, 25.172, 270.796

Protanomaly
83, 24.715, 280.200

Deuteranomaly
83, 26.572, 285.465

Tritanomaly
83, 18.360, 253.005

Monochromacy



Original Color
83, 25.172, 270.796

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 9.573, 269.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 25.172, 270.796 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(180, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(180, 209, 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(180, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 209, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 25.172, 270.796 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(180, 209, 254) }
```

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

```
.border{ border-color:rgb(180, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(180, 209,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 25.172, 270.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 209, 254) }
```

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

```
.background{ background-color: rgb(180,  
209, 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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