

Converting Colors

CIELCh(83, 21.556, 265.689)

Have a look what the booklet for
CIELCh(83, 21.556, 265.689)
contains.

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Color

CIELCh(83, 21.848, 266.596)

Conversions

Conversions Part 1

Format	Color
Hex	B4D1F7
RGB	180, 209, 247
RGB Percent	71%, 82%, 97%
CMY	0.2933, 0.1795, 0.0305
CMYK	0.27, 0.15, 0.00, 0.03
HSL	214°, 81%, 84%
HSV	214°, 27%, 97%
XYZ	58.5468, 62.1629, 97.0859
YIQ	204.6610, -29.4820, 5.6700

Conversions

Conversions Part 2

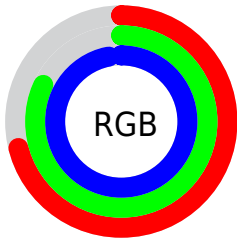
Format	Color
RYB	180, 200, 247
Decimal	11850231
CIELab	83.00, -1.30, -21.81
CIELCh	83, 21.848, 266.596
Yxy	62.1629, 0.2688, 0.2854
Android (android.graphics.Color)	4290040311 (0xFFB4D1F7)
YUV	204.6610, 20.8731, -21.6277
Hunter-Lab	78.8435, -5.4274, -17.8178

Details

The CIELCh color **83, 21.848, 266.596** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **89, 22.838, 78.773**, 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, 21.900, 266.593** is the 20% darker color. If you saturate the color by 10%, you get **78, 29.900, 268.703**, and if you desaturate by 10%, it is **88, 13.784, 264.812**.

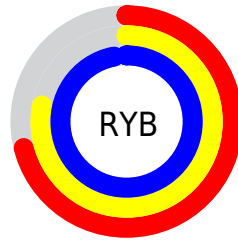
Distribution



Red (71%)

Green (82%)

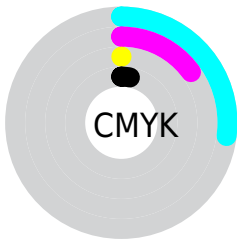
Blue (97%)



Red (71%)

Yellow (78%)

Blue (97%)

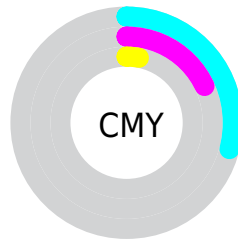


Cyan (27%)

Magenta (15%)

Yellow (0%)

Black (3%)



Cyan (29%)

Magenta (18%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 21.848, 266.596 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, 21.848, 266.596 by changing the saturation by 10% instead.

■ 83, 21.848,
266.596

■ 83, 21.848,
266.596

■ 100, 21.848,
266.596

■ 73, 21.848,
266.596

■ 63, 21.848,
266.596

■ 53, 21.848,
266.596

■ 43, 21.848,
266.596

■ 33, 21.848,
266.596

■ 23, 21.848,
266.596

■ 13, 21.848,

266.596

■ 3, 21.848, 266.596

■ 0, 21.848, 266.596

■ 83, 21.848,
266.596

■ 83, 21.848,
266.596

■ 78, 29.900,
268.703

■ 88, 13.784,
264.812

■ 73, 37.943,
271.194

■ 94, 5.724, 263.330

■ 99, 2.317, 81.809

■ 68, 45.993,
274.111

■ 100, 3.934,
109.865

■ 63, 54.095,
277.477

■ 58, 62.318,

281.267

■ 54, 70.737,
285.377

■ 50, 79.386,
289.610

■ 49, 81.937,
290.775

Harmonies

Complementary

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



83, 21.848, 266.596



89, 22.838, 78.773

Rectangle

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



83, 21.848, 266.596



83, 21.848, 316.596



83, 21.848, 86.596



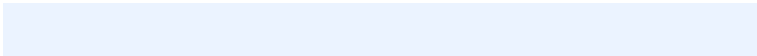
83, 21.848, 136.596

Sweetspot

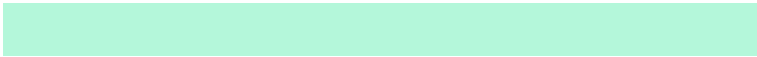
The Sweet Spot groups the original color and five complimentary colors.



83, 21.847, 266.593



96, 6.610, 263.451



92, 27.682, 164.815



50, 4.698, 263.659



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, 21.847, 266.593



82, 27.273, 267.806



76, 36.218, 295.699



48, 4.543, 263.653



37, 64.998, 290.005



9, 24.967, 283.320

Inverse Universe

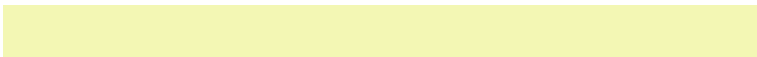
The Inverse Universe completely reimagines the original color for something new.



80, 28.993, 350.124



79, 36.324, 350.862



96, 33.938, 110.438



48, 5.909, 348.235



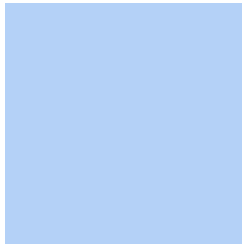
40, 66.685, 8.508



9, 29.782, 1.286

Previews

White Background



This preview shows how the CIE LCh color 83, 21.848, 266.596 looks on a white background.

Color Contrast Check

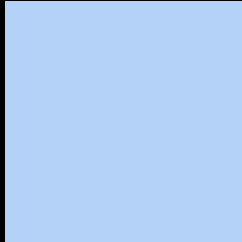
Large Text (above 18pt) WCAG AA × Fail

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, 21.848, 266.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

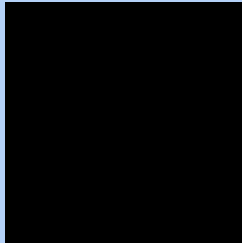
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

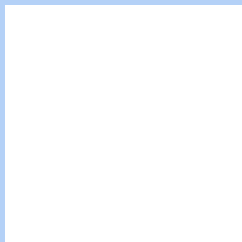
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 21.848, 266.596

Background



This preview shows how black text looks on a background with the CIELCh color 83, 21.848, 266.596.



This preview shows how white text looks on a background with the CIELCh color 83, 21.848, 266.596.

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

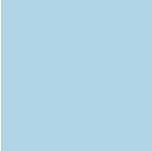
83, 21.848, 266.596

Protanopia

83, 21.223, 286.614

Deuteranopia

83, 24.937, 294.585



Tritanopia
83, 14.755, 236.476

Trichromacy



Original Color
83, 21.848, 266.596

Protanomaly
83, 21.010, 279.294

Deuteranomaly
83, 22.862, 284.702

Tritanomaly
83, 16.815, 251.044

Monochromacy



Original Color
83, 21.848, 266.596

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 7.805, 261.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 21.848, 266.596 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(180, 209, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 209, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 21.848, 266.596 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, 247) }
```

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

```
.border{ border-color:rgb(180, 209, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 209, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 209, 247);  
box-shadow:4px 4px 4px 4px rgb(180, 209,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 21.848, 266.596 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, 247) }
```

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

```
.background{ background-color: rgb(180,  
209, 247) }
```

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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