

Converting Colors

CIELCh(83, 35.823, 227.312)

Have a look what the booklet for
CIELCh(83, 35.823, 227.312)
contains.

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Color

CIElCh(83, 35.881, 226.947)

Conversions

Conversions Part 1

Format	Color
Hex	65DEFF
RGB	101, 222, 255
RGB Percent	40%, 87%, 100%
CMY	0.6043, 0.1298, 0.0004
CMYK	0.60, 0.13, 0.00, 0.00
HSL	193°, 100%, 70%
HSV	193°, 60%, 100%
XYZ	49.4822, 62.1629, 103.9118
YIQ	189.5830, -82.7090, -15.3890

Conversions

Conversions Part 2

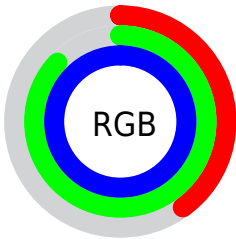
Format	Color
RYB	101, 169, 255
Decimal	6676223
CIELab	83.00, -24.50, -26.22
CIELCh	83, 35.881, 226.947
Yxy	62.1629, 0.2296, 0.2884
Android (android.graphics.Color)	4284866303 (0xFF65DEFF)
YUV	189.5830, 32.2506, -77.6873
Hunter-Lab	78.8435, -25.9495, -22.9508

Details

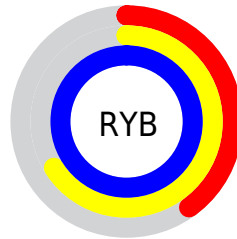
The CIELCh color **83, 35.881, 226.947** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **69, 57.805, 41.695**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **63, 35.854, 226.377** is the 20% darker color. If you saturate the color by 10%, you get **81, 39.202, 229.219**, and if you desaturate by 10%, it is **85, 31.678, 225.181**.

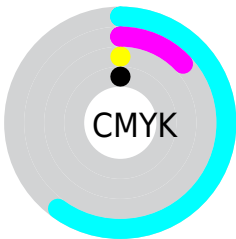
Distribution



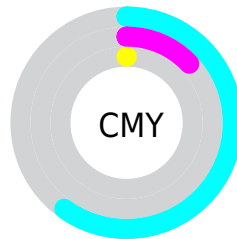
- Red (40%)
- Green (87%)
- Blue (100%)



- Red (40%)
- Yellow (66%)
- Blue (100%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 35.881, 226.947 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, 35.881, 226.947 by changing the saturation by 10% instead.


 83, 35.881,
226.947


 83, 35.881,
226.947


 100, 35.881,
226.947


 73, 35.881,
226.947

 63, 35.881,
226.947

 53, 35.881,
226.947

 43, 35.881,
226.947

 33, 35.881,
226.947

 23, 35.881,
226.947

 13, 35.881,

226.947

■ 3, 35.881, 226.947

■ 0, 35.881, 226.947

■ 83, 35.881,
226.947

■ 83, 35.881,
226.947

■ 81, 39.202,
229.219

■ 85, 31.678,
225.181

■ 79, 41.651,
232.091

■ 88, 26.650,
223.837

■ 77, 43.321,
235.627

■ 91, 20.889,
222.831

■ 75, 44.424,
239.577

■ 94, 14.507,
222.101

■ 97, 7.614, 221.607

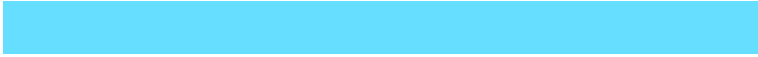
100, 0.316,
223.201

100, 0.040,
108.235

Harmonies

Complementary

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



83, 35.881, 226.947



69, 57.805, 41.695

Rectangle

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



83, 35.881, 226.947



83, 35.881, 276.947



83, 35.881, 46.947



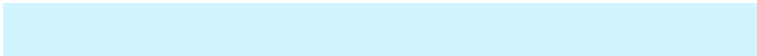
83, 35.881, 96.947

Sweetspot

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



83, 35.880, 226.946



94, 12.887, 221.960



90, 80.626, 144.558



50, 8.876, 222.131



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, 35.880, 226.946



80, 39.928, 229.900



62, 60.660, 285.728



52, 4.166, 221.575



58, 35.697, 238.773



19, 16.205, 233.151

Inverse Universe

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



66, 78.754, 335.299



62, 89.533, 336.377



86, 58.642, 85.612



50, 7.803, 331.606



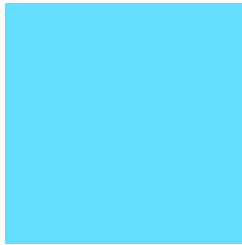
43, 78.846, 339.069



11, 36.973, 337.491

Previews

White Background



This preview shows how the CIE LCh color 83, 35.881, 226.947 looks on a white background.

Color Contrast Check

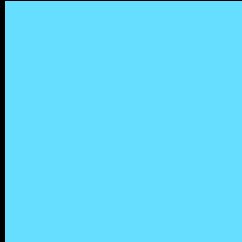
Large Text (above 18pt) WCAG AA × Fail

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, 35.881, 226.947 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, 35.881, 226.947

Background



This preview shows how black text looks on a background with the CIELCh color 83, 35.881, 226.947.



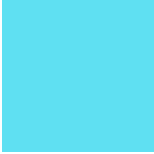
This preview shows how white text looks on a background with the CIELCh color 83, 35.881, 226.947.

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





Tritanopia
83, 35.900, 212.747

Trichromacy



Original Color
83, 35.881, 226.947



Protanomaly
82, 23.754, 252.539



Deuteranomaly
82, 27.607, 261.499

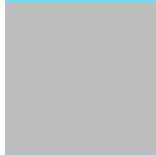


Tritanomaly
83, 35.676, 218.398

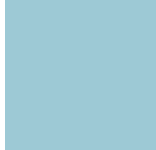
Monochromacy



Original Color
83, 35.881, 226.947



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 15.854, 222.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 35.881, 226.947 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(101, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 222, 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(101, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 35.881, 226.947 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(101, 222, 255) }
```

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

```
.border{ border-color:rgb(101, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 35.881, 226.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 222, 255) }
```

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

```
.background{ background-color: rgb(101,  
222, 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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