

Converting Colors

CIELCh(83, 27.940, 215.292)

Have a look what the booklet for
CIELCh(83, 27.940, 215.292)
contains.

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Color

CIELCh(83, 27.820, 215.574)

Conversions

Conversions Part 1

Format	Color
Hex	83DCEC
RGB	131, 220, 236
RGB Percent	51%, 86%, 93%
CMY	0.4857, 0.1367, 0.0739
CMYK	0.44, 0.07, 0.00, 0.07
HSL	189°, 74%, 72%
HSV	189°, 44%, 93%
XYZ	50.1745, 62.1629, 88.8213
YIQ	195.2130, -58.1800, -13.8920

Conversions

Conversions Part 2

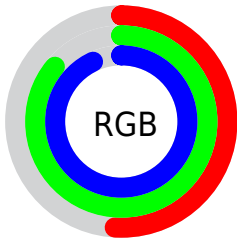
Format	Color
RYB	131, 179, 236
Decimal	8641772
CIELab	83.00, -22.63, -16.18
CIELCh	83, 27.820, 215.574
Yxy	62.1629, 0.2494, 0.3090
Android (android.graphics.Color)	4286831852 (0xFF83DCEC)
YUV	195.2130, 20.1080, -56.3148
Hunter-Lab	78.8435, -24.3821, -11.6028

Details

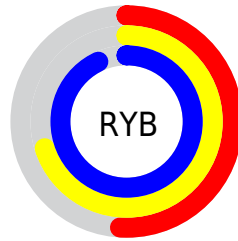
The CIELCh color **83, 27.820, 215.574** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 39.036, 35.437**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **63, 27.920, 214.977** is the 20% darker color. If you saturate the color by 10%, you get **81, 32.244, 216.477**, and if you desaturate by 10%, it is **85, 22.592, 214.938**.

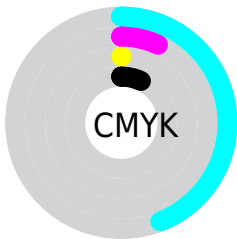
Distribution



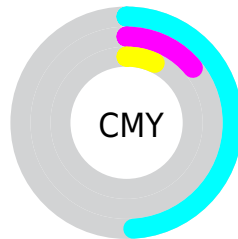
- Red (51%)
- Green (86%)
- Blue (93%)



- Red (51%)
- Yellow (70%)
- Blue (93%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)





- Cyan (49%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 27.820, 215.574 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, 27.820, 215.574 by changing the saturation by 10% instead.


 83, 27.820,
215.574


 83, 27.820,
215.574


 100, 27.820,
215.574


 73, 27.820,
215.574

 63, 27.820,
215.574

 53, 27.820,
215.574

 43, 27.820,
215.574

 33, 27.820,
215.574

 23, 27.820,
215.574

 13, 27.820,

215.574

■ 3, 27.820, 215.574

■ 0, 27.820, 215.574

■ 83, 27.820,
215.574

■ 83, 27.820,
215.574

■ 81, 32.244,
216.477

■ 85, 22.592,
214.938

■ 79, 35.775,
217.713

■ 87, 16.673,
214.525

■ 78, 38.366,
219.347

■ 90, 10.180,
214.299

■ 76, 40.029,
221.446

■ 92, 3.226, 214.315

■ 75, 40.863,

■ 95, 4.085, 33.957

224.063

96, 5.538, 50.541

74, 41.098,
225.688

97, 5.807, 73.067

98, 6.838, 91.081

99, 8.348, 103.444

Harmonies

Complementary

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



83, 27.820, 215.574



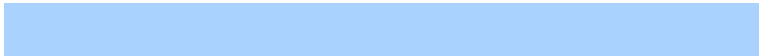
70, 39.036, 35.437

Rectangle

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



83, 27.820, 215.574



83, 27.820, 265.574



83, 27.820, 35.574



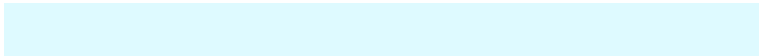
83, 27.820, 85.574

Sweetspot

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



83, 27.820, 215.572



96, 9.778, 214.281



86, 59.481, 145.098



51, 6.798, 214.310



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, 27.820, 215.572



87, 33.641, 216.347



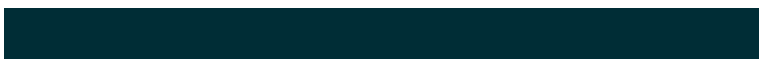
69, 38.497, 277.678



48, 4.033, 214.257



58, 33.693, 225.126



16, 14.519, 220.369

Inverse Universe

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



69, 59.284, 331.694



70, 73.781, 332.260



82, 39.142, 83.844



46, 7.613, 329.463



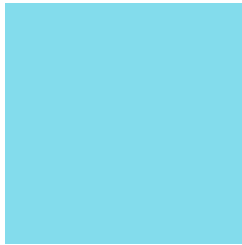
41, 79.343, 335.382



9, 34.565, 334.184

Previews

White Background



This preview shows how the CIE LCh color 83, 27.820, 215.574 looks on a white background.

Color Contrast Check

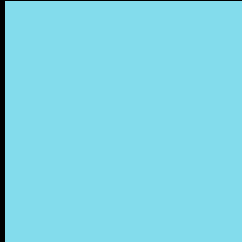
Large Text (above 18pt) WCAG AA × Fail

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, 27.820, 215.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

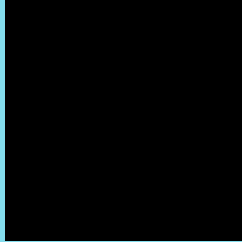
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 27.820, 215.574

Background



This preview shows how black text looks on a background with the CIELCh color 83, 27.820, 215.574.

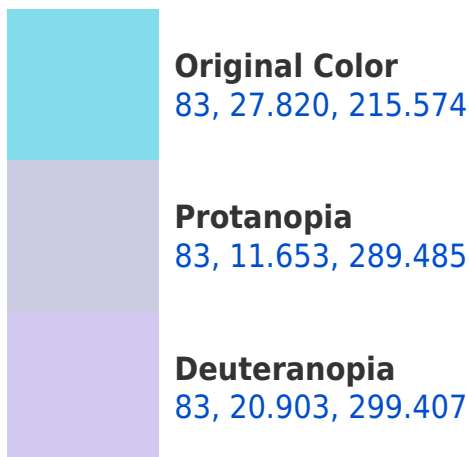



This preview shows how white text looks on a background with the CIELCh color 83, 27.820, 215.574.

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



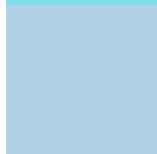


Tritanopia
83, 27.758, 217.984

Trichromacy



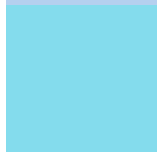
Original Color
83, 27.820, 215.574



Protanomaly
82, 15.004, 243.970



Deuteranomaly
82, 18.384, 262.767

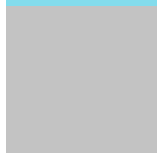


Tritanomaly
83, 27.669, 216.866

Monochromacy



Original Color
83, 27.820, 215.574



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 11.415, 215.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 27.820, 215.574 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(131, 220, 236)` looks like.

```
.text, #text, p{  
    color:rgb(131, 220, 236)  
}
```

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(131, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 220, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 27.820, 215.574 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(131, 220, 236) }
```

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

```
.border{ border-color:rgb(131, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(131, 220,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 27.820, 215.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 220, 236) }
```

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

```
.background{ background-color: rgb(131,  
220, 236) }
```

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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