

Converting Colors

CIELCh(83, 27.912, 223.946)

Have a look what the booklet for
CIELCh(83, 27.912, 223.946)
contains.

CIELCh(83, 27.914, 223.923)	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(83, 27.914, 223.923)

Conversions

Conversions Part 1

Format	Color
Hex	85DBF2
RGB	133, 219, 242
RGB Percent	52%, 86%, 95%
CMY	0.4778, 0.1406, 0.0504
CMYK	0.45, 0.09, 0.00, 0.05
HSL	193°, 81%, 74%
HSV	193°, 45%, 95%
XYZ	51.1199, 62.1629, 93.4322
YIQ	195.9080, -58.6390, -11.0790

Conversions

Conversions Part 2

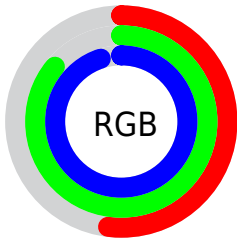
Format	Color
RYB	133, 181, 242
Decimal	8772594
CIELab	83.00, -20.11, -19.36
CIELCh	83, 27.914, 223.923
Yxy	62.1629, 0.2473, 0.3007
Android (android.graphics.Color)	4286962674 (0xFF85DBF2)
YUV	195.9080, 22.7234, -55.1703
Hunter-Lab	78.8435, -22.2418, -15.0702

Details

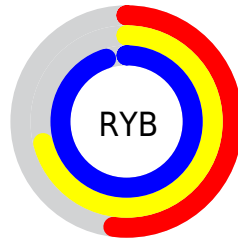
The CIELCh color **83, 27.914, 223.923** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 38.961, 40.633**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **63, 28.000, 223.849** is the 20% darker color. If you saturate the color by 10%, you get **81, 32.387, 225.407**, and if you desaturate by 10%, it is **86, 22.691, 222.801**.

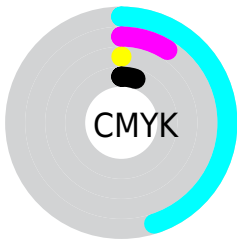
Distribution



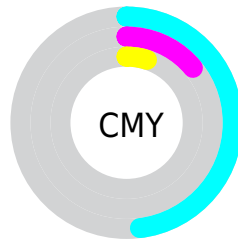
- Red (52%)
- Green (86%)
- Blue (95%)



- Red (52%)
- Yellow (71%)
- Blue (95%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





- Cyan (48%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 27.914, 223.923 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, 27.914, 223.923 by changing the saturation by 10% instead.


 83, 27.914,
223.923


 83, 27.914,
223.923


 100, 27.914,
223.923


 73, 27.914,
223.923

 63, 27.914,
223.923

 53, 27.914,
223.923

 43, 27.914,
223.923

 33, 27.914,
223.923

 23, 27.914,
223.923

 13, 27.914,

223.923

■ 3, 27.914, 223.923

■ 0, 27.914, 223.923

■ 83, 27.914,
223.923

■ 83, 27.914,
223.923

■ 81, 32.387,
225.407

■ 86, 22.691,
222.801

■ 78, 36.037,
227.344

■ 88, 16.820,
221.978

■ 76, 38.831,
229.821

■ 91, 10.410,
221.398

■ 75, 40.809,
232.920

■ 94, 3.566, 221.091

■ 73, 42.103,

■ 97, 3.619, 40.462

236.686

98, 4.287, 84.374

72, 42.615,
238.739

100, 6.463,
109.454

100, 6.500,
109.680

Harmonies

Complementary

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



83, 27.914, 223.923



73, 38.961, 40.633

Rectangle

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



83, 27.914, 223.923



83, 27.914, 273.923



83, 27.914, 43.923



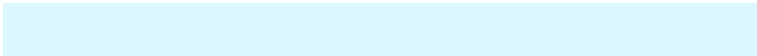
83, 27.914, 93.923

Sweetspot

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



83, 27.913, 223.921



96, 10.152, 221.354



87, 59.214, 146.616



50, 6.966, 221.455



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, 27.913, 223.921



85, 33.312, 225.263



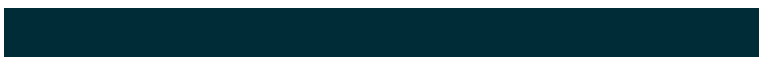
68, 42.542, 281.526



49, 3.966, 221.179



56, 34.541, 237.942



16, 14.884, 231.550

Inverse Universe

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



70, 58.810, 333.962



69, 72.077, 334.653



85, 41.974, 87.835



47, 7.434, 331.486



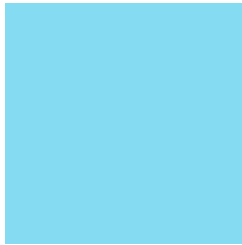
42, 76.701, 338.829



9, 34.222, 337.058

Previews

White Background



This preview shows how the CIELCh color 83, 27.914, 223.923 looks on a white background.

Color Contrast Check

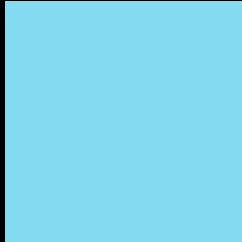
Large Text (above 18pt) WCAG AA × Fail

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, 27.914, 223.923 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, 27.914, 223.923

Background



This preview shows how black text looks on a background with the CIELCh color 83, 27.914, 223.923.

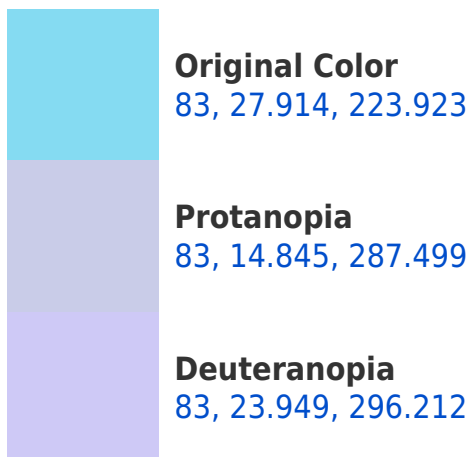



This preview shows how white text looks on a background with the CIELCh color 83, 27.914, 223.923.

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



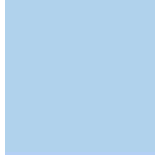


Tritanopia
83, 27.758, 217.984

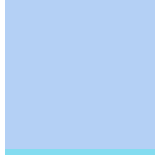
Trichromacy



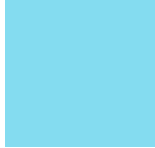
Original Color
83, 27.914, 223.923



Protanomaly
83, 17.403, 251.475



Deuteranomaly
83, 21.278, 266.679

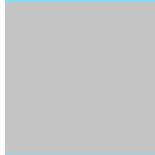


Tritanomaly
83, 27.965, 220.197

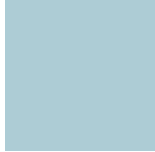
Monochromacy



Original Color
83, 27.914, 223.923



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 11.549, 223.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 27.914, 223.923 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(133, 219, 242)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 242)  
}
```

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(133, 219, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 27.914, 223.923 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(133, 219, 242) }
```

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

```
.border{ border-color:rgb(133, 219, 242) }
```

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

Here you see how a box with a 4 pixel rgb(133, 219, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 242);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 27.914, 223.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 242) }
```

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

```
.background{ background-color: rgb(133,  
219, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor