

Converting Colors

CIELCh(83, 30.422, 221.735)

Have a look what the booklet for
CIELCh(83, 30.422, 221.735)
contains.

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Color

CIELCh(83, 30.437, 221.445)

Conversions

Conversions Part 1

Format	Color
Hex	7BDDF4
RGB	123, 221, 244
RGB Percent	48%, 87%, 96%
CMY	0.5194, 0.1350, 0.0449
CMYK	0.50, 0.09, 0.00, 0.04
HSL	191°, 84%, 72%
HSV	191°, 50%, 96%
XYZ	50.1047, 62.1629, 94.5912
YIQ	194.3200, -65.7910, -13.6230

Conversions

Conversions Part 2

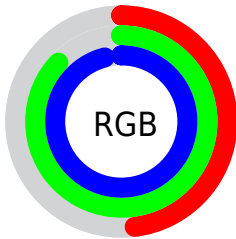
Format	Color
RYB	123, 177, 244
Decimal	8117748
CIELab	83.00, -22.82, -20.15
CIElCh	83, 30.437, 221.445
Yxy	62.1629, 0.2422, 0.3005
Android (android.graphics.Color)	4286307828 (0xFF7BDDF4)
YUV	194.3200, 24.4922, -62.5476
Hunter-Lab	78.8435, -24.5401, -15.9417

Details

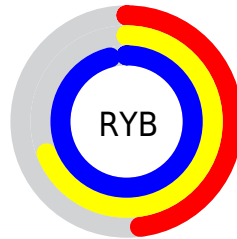
The CIELCh color **83, 30.437, 221.445** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 44.583, 39.000**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **63, 30.419, 221.400** is the 20% darker color. If you saturate the color by 10%, you get **81, 34.509, 222.913**, and if you desaturate by 10%, it is **85, 25.538, 220.344**.

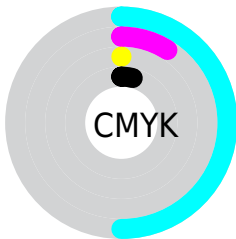
Distribution



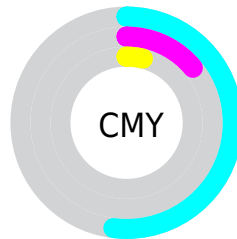
- Red (48%)
- Green (87%)
- Blue (96%)



- Red (48%)
- Yellow (69%)
- Blue (96%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 30.437, 221.445 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, 30.437, 221.445 by changing the saturation by 10% instead.


 83, 30.437,
221.445


 83, 30.437,
221.445


 100, 30.437,
221.445


 73, 30.437,
221.445

 63, 30.437,
221.445

 53, 30.437,
221.445

 43, 30.437,
221.445

 33, 30.437,
221.445

 23, 30.437,
221.445

 13, 30.437,

221.445

■ 3, 30.437, 221.445

■ 0, 30.437, 221.445

■ 83, 30.437,
221.445

■ 83, 30.437,
221.445

■ 81, 34.509,
222.913

■ 85, 25.538,
220.344

■ 79, 37.692,
224.833

■ 88, 19.910,
219.544

■ 77, 39.976,
227.287

■ 90, 13.666,
218.987

■ 75, 41.433,
230.346

■ 93, 6.919, 218.647

■ 74, 42.282,

■ 96, 0.228, 35.541

233.982

98, 3.372, 65.311

74, 42.307,
234.099

99, 4.810, 101.121

100, 5.792,
109.732

Harmonies

Complementary

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



83, 30.437, 221.445



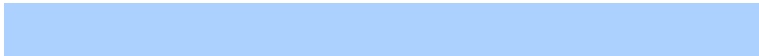
70, 44.583, 39.000

Rectangle

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



83, 30.437, 221.445



83, 30.437, 271.445



83, 30.437, 41.445



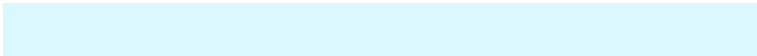
83, 30.437, 91.445

Sweetspot

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



83, 30.436, 221.443



96, 10.960, 218.801



87, 66.054, 145.502



50, 7.432, 218.880



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, 30.436, 221.443



84, 35.903, 222.991



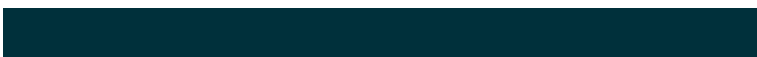
67, 46.368, 281.529



50, 4.079, 218.642



58, 34.537, 233.401



17, 15.281, 227.908

Inverse Universe

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



68, 65.538, 333.472



67, 79.630, 334.235



84, 46.043, 85.848



48, 7.677, 330.742



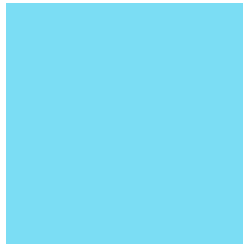
42, 78.699, 337.559



10, 35.662, 336.098

Previews

White Background



This preview shows how the CIE LCh color 83, 30.437, 221.445 looks on a white background.

Color Contrast Check

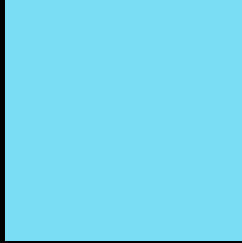
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 30.437, 221.445 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, 30.437, 221.445

Background



This preview shows how black text looks on a background with the CIELCh color 83, 30.437, 221.445.



This preview shows how white text looks on a background with the CIELCh color 83, 30.437, 221.445.

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



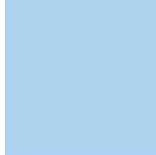


Tritanopia
83, 30.384, 216.005

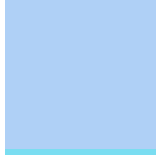
Trichromacy



Original Color
83, 30.437, 221.445



Protanomaly
82, 18.547, 249.590

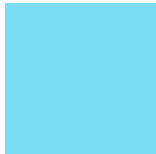


Deuteranomaly
82, 22.367, 263.732

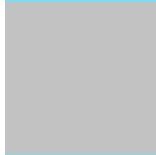


Tritanomaly
83, 30.333, 218.215

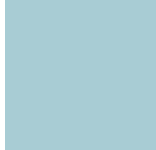
Monochromacy



Original Color
83, 30.437, 221.445



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 12.894, 218.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 30.437, 221.445 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(123, 221, 244)` looks like.

```
.text, #text, p{  
    color:rgb(123, 221, 244)  
}
```

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(123, 221, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 221, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 30.437, 221.445 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(123, 221, 244) }
```

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

```
.border{ border-color:rgb(123, 221, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 221, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 221, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 221, 244);  
box-shadow:4px 4px 4px 4px rgb(123, 221,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 30.437, 221.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 221, 244) }
```

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

```
.background{ background-color: rgb(123,  
221, 244) }
```

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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