

Converting Colors

CIELCh(83, 36.444, 197.183)

Have a look what the booklet for
CIELCh(83, 36.444, 197.183)
contains.

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Color

CIELCh(83, 36.273, 197.831)

Conversions

Conversions Part 1

Format	Color
Hex	62E1E2
RGB	98, 225, 226
RGB Percent	38%, 88%, 89%
CMY	0.6142, 0.1163, 0.1124
CMYK	0.57, 0.00, 0.00, 0.11
HSL	180°, 69%, 64%
HSV	180°, 57%, 89%
XYZ	45.8701, 62.1629, 81.7766
YIQ	187.1410, -76.0130, -26.6130

Conversions

Conversions Part 2

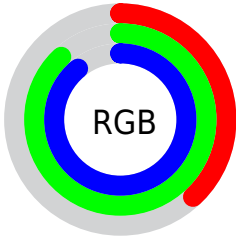
Format	Color
R_{YB}	98, 162, 226
Decimal	6480354
CIE _{Lab}	83.00, -34.53, -11.11
CIE _{LCh}	83, 36.273, 197.831
Yxy	62.1629, 0.2417, 0.3275
Android (android.graphics.Color)	4284670434 (0xFF62E1E2)
YUV	187.1410, 19.1575, -78.1767
Hunter-Lab	78.8435, -34.1271, -6.3052

Details

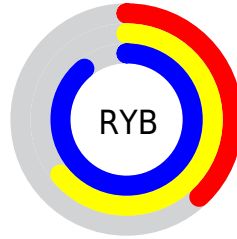
The CIELCh color **83, 36.273, 197.831** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **58, 55.482, 27.105**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **63, 36.171, 198.250** is the 20% darker color. If you saturate the color by 10%, you get **82, 39.950, 197.652**, and if you desaturate by 10%, it is **84, 31.617, 198.083**.

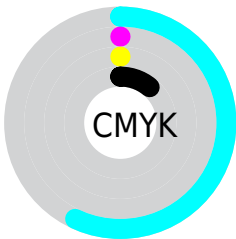
Distribution



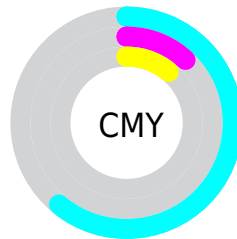
- Red (38%)
- Green (88%)
- Blue (89%)



- Red (38%)
- Yellow (64%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (61%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 36.273, 197.831 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, 36.273, 197.831 by changing the saturation by 10% instead.

■ 83, 36.273,
197.831

■ 83, 36.273,
197.831

■ 100, 36.273,
197.831

■ 73, 36.273,
197.831

■ 63, 36.273,
197.831

■ 53, 36.273,
197.831

■ 43, 36.273,
197.831

■ 33, 36.273,
197.831

■ 23, 36.273,
197.831

■ 13, 36.273,

197.831

■ 3, 36.273, 197.831

■ 0, 36.273, 197.831

■ 83, 36.273,
197.831

■ 83, 36.273,
197.831

■ 82, 39.950,
197.652

■ 84, 31.617,
198.083

■ 82, 42.616,
197.554

■ 85, 26.060,
198.411

■ 82, 44.301,
197.534

■ 86, 19.712,
198.807

■ 81, 45.111,
197.584

■ 87, 12.700,
199.269

■ 81, 45.283,

■ 89, 5.154, 199.832

197.611

■ 91, 2.800, 20.031

■ 92, 10.372, 20.746

■ 92, 10.310, 21.246

■ 92, 10.248, 21.752

Harmonies

Complementary

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



83, 36.273, 197.831



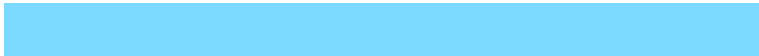
58, 55.482, 27.105

Rectangle

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



83, 36.273, 197.831



83, 36.273, 247.831



83, 36.273, 17.831



83, 36.273, 67.831

Sweetspot

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



83, 36.273, 197.829



97, 14.361, 199.240



81, 79.059, 139.594



51, 9.546, 199.142



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, 36.273, 197.829



92, 44.362, 197.628



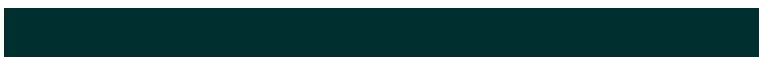
65, 38.594, 266.937



46, 4.419, 199.649



65, 37.521, 197.590



17, 15.440, 197.392

Inverse Universe

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



62, 77.965, 327.552



65, 98.532, 327.981



72, 45.531, 68.278



44, 8.111, 325.147



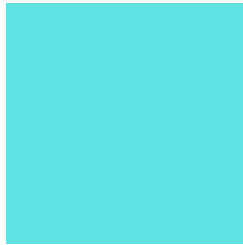
42, 86.961, 328.542



8, 35.741, 328.487

Previews

White Background



This preview shows how the CIE LCh color 83, 36.273, 197.831 looks on a white background.

Color Contrast Check

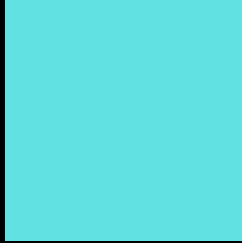
Large Text (above 18pt) WCAG AA × Fail

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, 36.273, 197.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

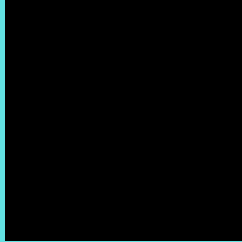
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 36.273, 197.831

Background



This preview shows how black text looks on a background with the CIELCh color 83, 36.273, 197.831.

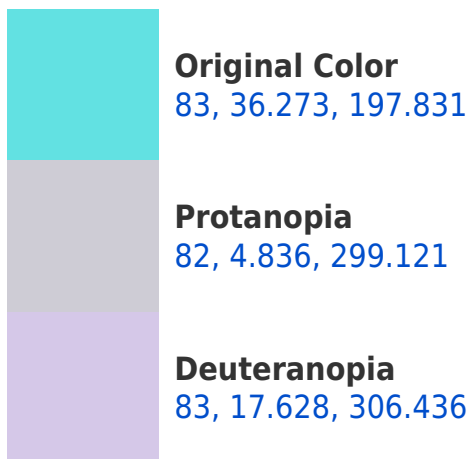


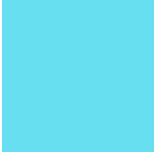
This preview shows how white text looks on a background with the CIELCh color 83, 36.273, 197.831.

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, 34.140, 213.679

Trichromacy



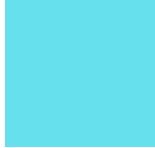
Original Color
83, 36.273, 197.831



Protanomaly
82, 15.391, 210.387



Deuteranomaly
82, 16.467, 241.541

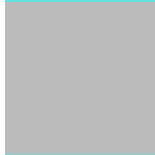


Tritanomaly
83, 34.648, 207.860

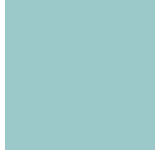
Monochromacy



Original Color
83, 36.273, 197.831



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 15.779, 198.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 36.273, 197.831 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(98, 225, 226)` looks like.

```
.text, #text, p{  
    color:rgb(98, 225, 226)  
}
```

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(98, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 225, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 36.273, 197.831 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(98, 225, 226) }
```

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

```
.border{ border-color:rgb(98, 225, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 225, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(98, 225,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 36.273, 197.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 225, 226) }
```

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

```
.background{ background-color: rgb(98, 225,  
226) }
```

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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