

Converting Colors

CIELCh(83, 42.276, 170.291)

Have a look what the booklet for
CIELCh(83, 42.276, 170.291)
contains.

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Color

CIELCh(83, 42.222, 170.491)

Conversions

Conversions Part 1

Format	Color
Hex	6DE3C0
RGB	109, 227, 192
RGB Percent	43%, 89%, 75%
CMY	0.5715, 0.1088, 0.2461
CMYK	0.52, 0.00, 0.15, 0.11
HSL	162°, 68%, 66%
HSV	162°, 52%, 89%
XYZ	43.4199, 62.1629, 59.7216
YIQ	187.7280, -59.0930, -35.9010

Conversions

Conversions Part 2

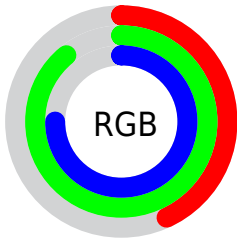
Format	Color
RYB	109, 178, 227
Decimal	7201728
CIELab	83.00, -41.64, 6.98
CIELCh	83, 42.222, 170.491
Yxy	62.1629, 0.2627, 0.3761
Android (android.graphics.Color)	4285391808 (0xFF6DE3C0)
YUV	187.7280, 2.1061, -69.0445
Hunter-Lab	78.8435, -39.6743, 10.2800

Details

The CIELCh color **83, 42.222, 170.491** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 49.437, 3.382**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.023, 190.230**, and **63, 42.159, 170.736** is the 20% darker color. If you saturate the color by 10%, you get **82, 48.589, 169.028**, and if you desaturate by 10%, it is **84, 35.087, 171.805**.

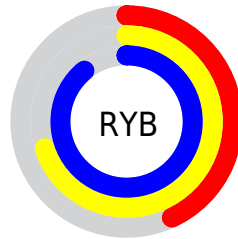
Distribution



Red (43%)

Green (89%)

Blue (75%)



Red (43%)

Yellow (70%)

Blue (89%)

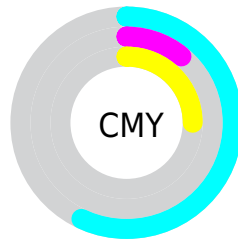


Cyan (52%)

Magenta (0%)

Yellow (15%)

Black (11%)



Cyan (57%)

Magenta (11%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 42.222, 170.491 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, 42.222, 170.491 by changing the saturation by 10% instead.


 83, 42.222,
170.491


 83, 42.222,
170.491


 100, 42.222,
170.491


 73, 42.222,
170.491

 63, 42.222,
170.491

 53, 42.222,
170.491

 43, 42.222,
170.491

 33, 42.222,
170.491

 23, 42.222,
170.491

 13, 42.222,

170.491

■ 3, 42.222, 170.491

■ 0, 42.222, 170.491

■ 83, 42.222,
170.491

■ 83, 42.222,
170.491

■ 82, 48.589,
169.028

■ 84, 35.087,
171.805

■ 82, 54.083,
167.394

■ 85, 27.319,
173.000

■ 81, 58.653,
165.567

■ 87, 19.070,
174.097

■ 81, 62.331,
163.539

■ 88, 10.484,
175.125

■ 81, 64.806,

■ 90, 1.695, 176.322

161.799

■ 92, 7.186, 356.817

■ 93, 11.764,
347.977

■ 93, 13.887,
335.732

■ 93, 16.486,
327.109

Harmonies

Complementary

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



83, 42.222, 170.491



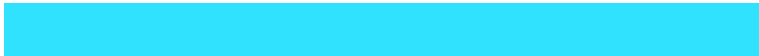
61, 49.437, 3.382

Rectangle

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



83, 42.222, 170.491



83, 42.222, 220.491



83, 42.222, 350.491



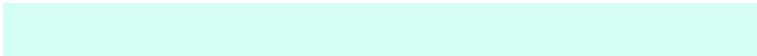
83, 42.222, 40.491

Sweetspot

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



83, 42.223, 170.490



97, 15.390, 174.700



83, 67.538, 133.077



51, 10.367, 174.488



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, 42.223, 170.490



91, 53.316, 168.954



77, 29.642, 223.210



47, 5.045, 175.374



65, 53.778, 162.174



18, 21.294, 166.042

Inverse Universe

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



61, 49.437, 3.382



63, 64.108, 5.980



65, 44.132, 39.973



45, 5.187, 357.029



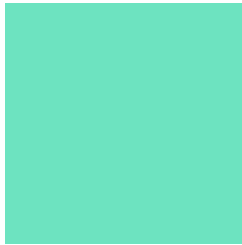
37, 67.144, 21.248



7, 26.656, 8.682

Previews

White Background



This preview shows how the CIELCh color 83, 42.222, 170.491 looks on a white background.

Color Contrast Check

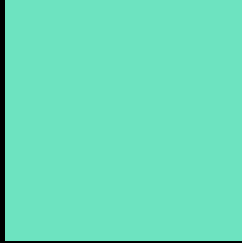
Large Text (above 18pt) WCAG AA × Fail

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, 42.222, 170.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

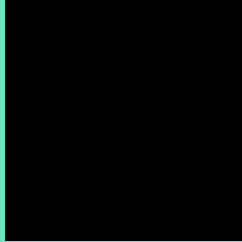
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

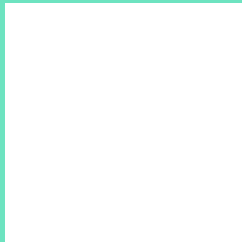
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 42.222, 170.491

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.222, 170.491.

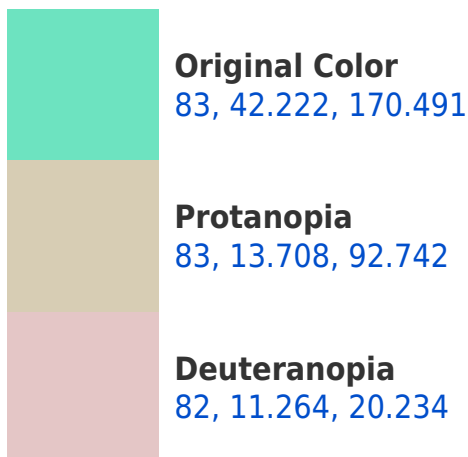


This preview shows how white text looks on a background with the CIELCh color 83, 42.222, 170.491.

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



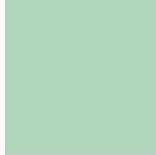


Tritanopia
83, 29.747, 216.451

Trichromacy



Original Color
83, 42.222, 170.491



Protanomaly
82, 20.338, 149.191



Deuteranomaly
82, 11.167, 160.573

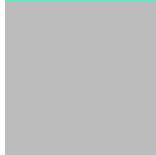


Tritanomaly
83, 31.664, 196.294

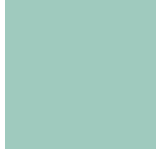
Monochromacy



Original Color
83, 42.222, 170.491



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 16.657, 175.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.222, 170.491 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(109, 227, 192)` looks like.

```
.text, #text, p{  
    color:rgb(109, 227, 192)  
}
```

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(109, 227, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 227, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.222, 170.491 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(109, 227, 192) }
```

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

```
.border{ border-color:rgb(109, 227, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 227, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 227, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 227, 192); box-shadow:4px 4px 4px 4px rgb(109, 227, 192) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.222, 170.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 227, 192) }
```

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

```
.background{ background-color: rgb(109,  
227, 192) }
```

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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