

Converting Colors

CIELCh(83, 27.247, 200.956)

Have a look what the booklet for
CIELCh(83, 27.247, 200.956)
contains.

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Color

CIELCh(83, 27.216, 200.943)

Conversions

Conversions Part 1

Format	Color
Hex	86DDE0
RGB	134, 221, 224
RGB Percent	53%, 87%, 88%
CMY	0.4745, 0.1333, 0.1216
CMYK	0.40, 0.01, 0.00, 0.12
HSL	182°, 59%, 70%
HSV	182°, 40%, 88%
XYZ	49.1423, 62.1629, 79.9296
YIQ	195.3290, -52.8150, -17.5110

Conversions

Conversions Part 2

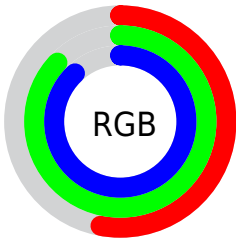
Format	Color
RYB	134, 178, 224
Decimal	8838624
CIELab	83.00, -25.42, -9.73
CIELCh	83, 27.216, 200.943
Yxy	62.1629, 0.2570, 0.3251
Android (android.graphics.Color)	4287028704 (0xFF86DDE0)
YUV	195.3290, 14.1348, -53.7855
Hunter-Lab	78.8435, -26.7189, -4.9163

Details

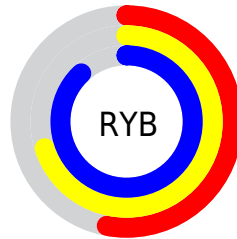
The CIELCh color **83, 27.216, 200.943** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 36.452, 25.660**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **63, 27.334, 200.693** is the 20% darker color. If you saturate the color by 10%, you get **82, 32.262, 200.798**, and if you desaturate by 10%, it is **84, 21.358, 201.178**.

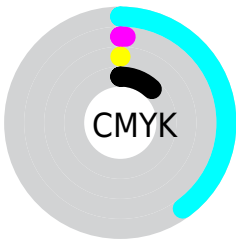
Distribution



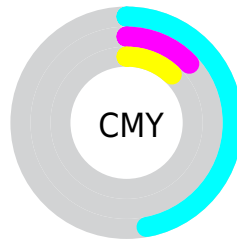
- Red (53%)
- Green (87%)
- Blue (88%)



- Red (53%)
- Yellow (70%)
- Blue (88%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)





- Cyan (47%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 27.216, 200.943 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, 27.216, 200.943 by changing the saturation by 10% instead.


 83, 27.216,
200.943


 83, 27.216,
200.943


 100, 27.216,
200.943


 73, 27.216,
200.943

 63, 27.216,
200.943

 53, 27.216,
200.943

 43, 27.216,
200.943

 33, 27.216,
200.943

 23, 27.216,
200.943

 13, 27.216,

200.943

■ 3, 27.216, 200.943

■ 0, 27.216, 200.943

■ 83, 27.216,
200.943

■ 83, 27.216,
200.943

■ 82, 32.262,
200.798

■ 84, 21.358,
201.178

■ 81, 36.395,
200.763

■ 86, 14.808,
201.501

■ 80, 39.548,
200.845

■ 87, 7.693, 201.916

■ 80, 41.706,
201.055

■ 89, 0.137, 206.676

■ 91, 7.750, 22.663

■ 79, 42.918,

201.397

92, 10.840, 24.120

79, 43.382,
201.845

92, 10.602, 26.259

92, 10.380, 28.493

93, 10.175, 30.820

Harmonies

Complementary

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



83, 27.216, 200.943



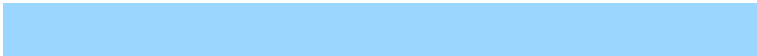
66, 36.452, 25.660

Rectangle

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



83, 27.216, 200.943



83, 27.216, 250.943



83, 27.216, 20.943



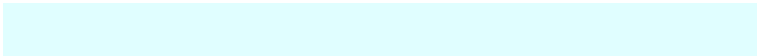
83, 27.216, 70.943

Sweetspot

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



83, 27.216, 200.940



98, 10.024, 201.827



82, 56.725, 141.803



52, 6.625, 201.769



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, 27.216, 200.940



92, 34.635, 200.817



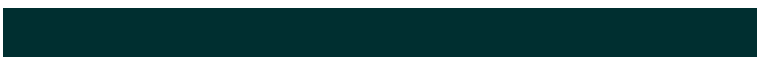
71, 28.120, 264.219



46, 4.307, 201.952



63, 36.247, 201.754



17, 14.995, 200.843

Inverse Universe

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



68, 55.977, 327.546



73, 73.261, 327.956



76, 31.168, 72.074



44, 7.972, 325.846



41, 85.245, 329.596



8, 35.137, 329.360

Previews

White Background



This preview shows how the CIE LCh color 83, 27.216, 200.943 looks on a white background.

Color Contrast Check

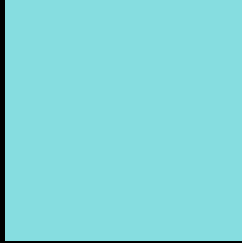
Large Text (above 18pt) WCAG AA × Fail

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, 27.216, 200.943 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

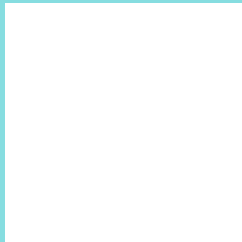
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 27.216, 200.943

Background



This preview shows how black text looks on a background with the CIELCh color 83, 27.216, 200.943.

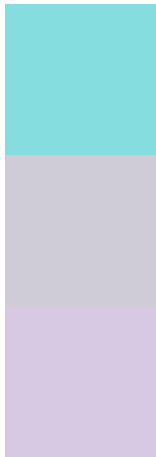


This preview shows how white text looks on a background with the CIELCh color 83, 27.216, 200.943.

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



Original Color
83, 27.216, 200.943

Protanopia
83, 5.424, 302.061

Deuteranopia
83, 15.819, 310.839



Tritanopia
83, 26.143, 219.399

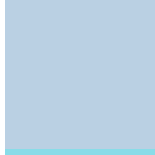
Trichromacy



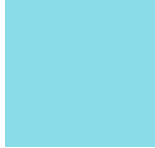
Original Color
83, 27.216, 200.943



Protanomaly
82, 11.030, 221.450



Deuteranomaly
82, 12.356, 253.847

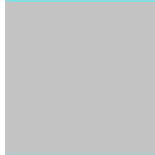


Tritanomaly
83, 26.159, 211.907

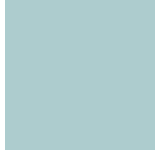
Monochromacy



Original Color
83, 27.216, 200.943



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 10.839, 204.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 27.216, 200.943 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(134, 221, 224)` looks like.

```
.text, #text, p{  
    color:rgb(134, 221, 224)  
}
```

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(134, 221, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 221, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 27.216, 200.943 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(134, 221, 224) }
```

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

```
.border{ border-color:rgb(134, 221, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 221, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(134, 221,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 27.216, 200.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 221, 224) }
```

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

```
.background{ background-color: rgb(134,  
221, 224) }
```

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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