

Converting Colors

CIELCh(83, 26.928, 215.246)

Have a look what the booklet for
CIELCh(83, 26.928, 215.246)
contains.

CIELCh(83, 27.051, 214.941)	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, 27.051, 214.941)

Conversions

Conversions Part 1

Format	Color
Hex	86DCEB
RGB	134, 220, 235
RGB Percent	53%, 86%, 92%
CMY	0.4750, 0.1378, 0.0790
CMYK	0.43, 0.06, 0.00, 0.08
HSL	189°, 71%, 72%
HSV	189°, 43%, 92%
XYZ	50.3434, 62.1629, 87.8391
YIQ	195.9960, -56.0710, -13.5670

Conversions

Conversions Part 2

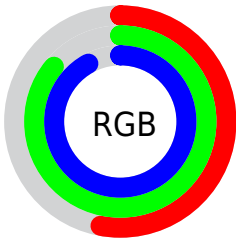
Format	Color
RYB	134, 180, 235
Decimal	8838379
CIELab	83.00, -22.17, -15.49
CIELCh	83, 27.051, 214.941
Yxy	62.1629, 0.2513, 0.3103
Android (android.graphics.Color)	4287028459 (0xFF86DCEB)
YUV	195.9960, 19.2290, -54.3705
Hunter-Lab	78.8435, -23.9996, -10.8642

Details

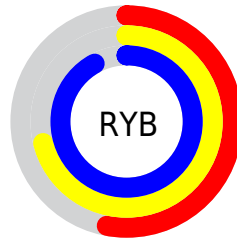
The CIELCh color **83, 27.051, 214.941** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 37.465, 34.995**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **63, 27.122, 214.297** is the 20% darker color. If you saturate the color by 10%, you get **81, 31.586, 215.764**, and if you desaturate by 10%, it is **85, 21.728, 214.370**.

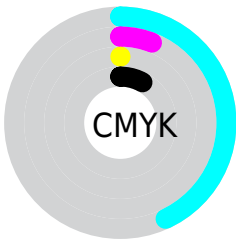
Distribution



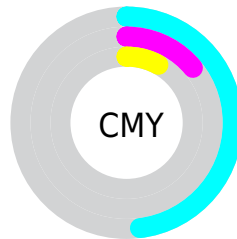
- Red (53%)
- Green (86%)
- Blue (92%)



- Red (53%)
- Yellow (71%)
- Blue (92%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (48%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 27.051, 214.941 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, 27.051, 214.941 by changing the saturation by 10% instead.

■ 83, 27.051,
214.941

■ 83, 27.051,
214.941

■ 100, 27.051,
214.941

■ 73, 27.051,
214.941

■ 63, 27.051,
214.941

■ 53, 27.051,
214.941

■ 43, 27.051,
214.941

■ 33, 27.051,
214.941

■ 23, 27.051,
214.941

■ 13, 27.051,

214.941

■ 3, 27.051, 214.941

■ 0, 27.051, 214.941

■ 83, 27.051,
214.941

■ 83, 27.051,
214.941

■ 81, 31.586,
215.764

■ 85, 21.728,
214.370

■ 79, 35.238,
216.904

■ 87, 15.729,
214.011

■ 78, 37.953,
218.422

■ 90, 9.174, 213.833

■ 76, 39.732,
220.383

■ 92, 2.174, 213.972

■ 95, 5.170, 33.583

■ 75, 40.657,

222.844

96, 5.928, 50.263

74, 40.952,
224.823

97, 6.138, 70.823

98, 7.042, 87.963

99, 8.415, 100.321

Harmonies

Complementary

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



83, 27.051, 214.941



70, 37.465, 34.995

Rectangle

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



83, 27.051, 214.941



83, 27.051, 264.941



83, 27.051, 34.941



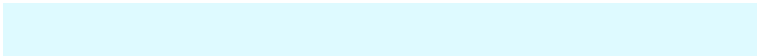
83, 27.051, 84.941

Sweetspot

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



83, 27.051, 214.938



96, 9.804, 213.833



85, 58.054, 144.758



51, 6.816, 213.858



0, 0.000, 0.000



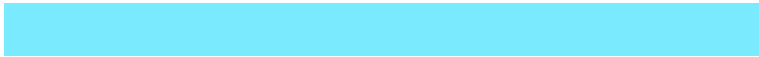
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 27.051, 214.938



87, 33.275, 215.690



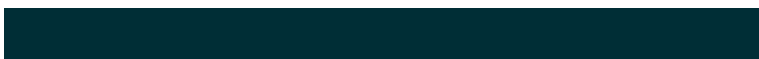
70, 36.221, 275.977



48, 4.044, 213.816



59, 33.715, 224.288



16, 14.541, 219.670

Inverse Universe

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



69, 57.368, 331.459



70, 72.772, 332.050



82, 37.208, 82.623



46, 7.634, 329.335



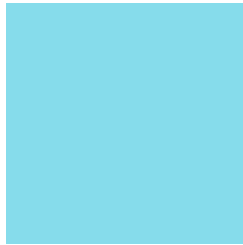
41, 79.581, 335.169



9, 34.654, 334.011

Previews

White Background



This preview shows how the CIE LCh color 83, 27.051, 214.941 looks on a white background.

Color Contrast Check

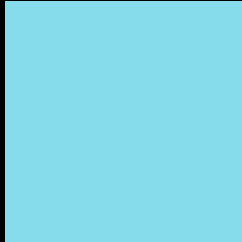
Large Text (above 18pt) WCAG AA × Fail

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, 27.051, 214.941 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, 27.051, 214.941

Background



This preview shows how black text looks on a background with the CIELCh color 83, 27.051, 214.941.

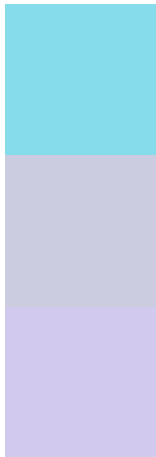


This preview shows how white text looks on a background with the CIELCh color 83, 27.051, 214.941.

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, 27.051, 214.941

Protanopia
83, 11.124, 291.147

Deuteranopia
83, 20.430, 300.524



Tritanopia
83, 26.841, 218.773

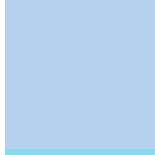
Trichromacy



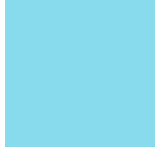
Original Color
83, 27.051, 214.941



Protanomaly
82, 14.441, 243.228



Deuteranomaly
82, 17.340, 261.819

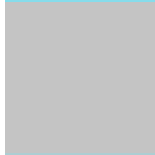


Tritanomaly
83, 26.743, 217.622

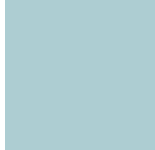
Monochromacy



Original Color
83, 27.051, 214.941



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 11.310, 212.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 27.051, 214.941 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, 220, 235)` looks like.

```
.text, #text, p{  
    color:rgb(134, 220, 235)  
}
```

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, 220, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 220, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 27.051, 214.941 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, 220, 235) }
```

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

```
.border{ border-color:rgb(134, 220, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 220, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 220, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 220, 235);  
box-shadow:4px 4px 4px 4px rgb(134, 220,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 27.051, 214.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 220, 235) }
```

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

```
.background{ background-color: rgb(134,  
220, 235) }
```

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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