

Converting Colors

CIELCh(83, 30.567, 217.070)

Have a look what the booklet for
CIELCh(83, 30.567, 217.070)
contains.

CIELCh(83, 30.458, 217.034)	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, 30.458, 217.034)

Conversions

Conversions Part 1

Format	Color
Hex	79DDF0
RGB	121, 221, 240
RGB Percent	47%, 87%, 94%
CMY	0.5249, 0.1328, 0.0583
CMYK	0.50, 0.08, 0.00, 0.06
HSL	190°, 80%, 71%
HSV	190°, 50%, 94%
XYZ	49.5490, 62.1629, 91.9371
YIQ	193.2660, -65.6990, -15.2910

Conversions

Conversions Part 2

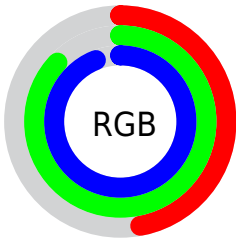
Format	Color
RYB	121, 175, 240
Decimal	7986672
CIELab	83.00, -24.31, -18.34
CIELCh	83, 30.458, 217.034
Yxy	62.1629, 0.2433, 0.3052
Android (android.graphics.Color)	4286176752 (0xFF79DDF0)
YUV	193.2660, 23.0399, -63.3773
Hunter-Lab	78.8435, -25.7981, -13.9459

Details

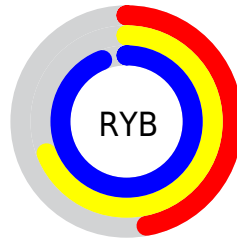
The CIELCh color **83, 30.458, 217.034** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **69, 44.781, 36.459**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.987, 197.938**, and **63, 30.538, 216.627** is the 20% darker color. If you saturate the color by 10%, you get **81, 34.483, 218.176**, and if you desaturate by 10%, it is **85, 25.575, 216.203**.

Distribution



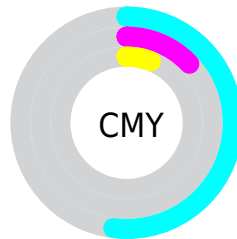
- Red (47%)
- Green (87%)
- Blue (94%)



- Red (47%)
- Yellow (69%)
- Blue (94%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)





- Cyan (52%)
- Magenta (13%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 30.458, 217.034 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, 30.458, 217.034 by changing the saturation by 10% instead.


 83, 30.458,
217.034


 83, 30.458,
217.034


 100, 30.458,
217.034


 73, 30.458,
217.034

 63, 30.458,
217.034

 53, 30.458,
217.034

 43, 30.458,
217.034

 33, 30.458,
217.034

 23, 30.458,
217.034

 13, 30.458,

217.034

■ 3, 30.458, 217.034

■ 0, 30.458, 217.034

■ 83, 30.458,
217.034

■ 83, 30.458,
217.034

■ 81, 34.483,
218.176

■ 85, 25.575,
216.203

■ 79, 37.582,
219.703

■ 87, 19.939,
215.629

■ 78, 39.736,
221.683

■ 90, 13.666,
215.265

■ 76, 41.002,
224.182

■ 92, 6.874, 215.092

■ 75, 41.582,

■ 95, 0.330, 32.988

227.191

97, 4.363, 47.373

75, 41.604,
227.331

98, 4.688, 77.561

99, 6.019, 98.847

100, 7.519,
109.605

Harmonies

Complementary

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



83, 30.458, 217.034



69, 44.781, 36.459

Rectangle

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



83, 30.458, 217.034



83, 30.458, 267.034



83, 30.458, 37.034



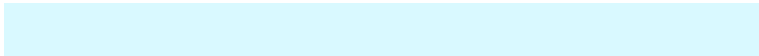
83, 30.458, 87.034

Sweetspot

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



83, 30.457, 217.032



96, 11.162, 215.162



86, 66.726, 144.486



51, 7.567, 215.206



0, 0.000, 0.000



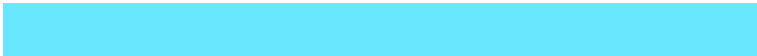
53, 0.007, 296.813

Same Dimension

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



83, 30.457, 217.032



86, 35.951, 218.129



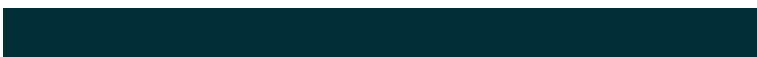
67, 43.663, 278.995



49, 4.084, 215.091



59, 34.021, 226.741



17, 14.914, 221.964

Inverse Universe

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



68, 65.974, 332.297



67, 80.200, 332.937



82, 44.376, 83.107



47, 7.709, 329.707



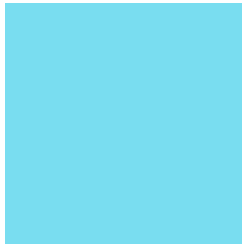
42, 79.716, 335.796



9, 35.398, 334.583

Previews

White Background



This preview shows how the CIE LCh color 83, 30.458, 217.034 looks on a white background.

Color Contrast Check

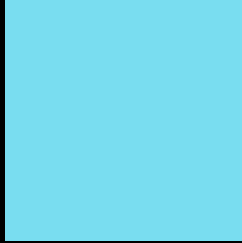
Large Text (above 18pt) WCAG AA × Fail

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, 30.458, 217.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

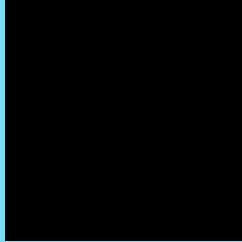
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 30.458, 217.034

Background



This preview shows how black text looks on a background with the CIELCh color 83, 30.458, 217.034.

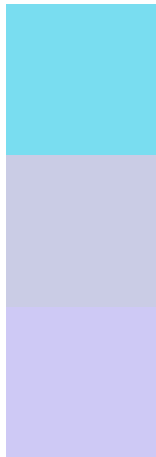


This preview shows how white text looks on a background with the CIELCh color 83, 30.458, 217.034.

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, 30.458, 217.034

Protanopia

83, 13.247, 288.345

Deuteranopia

83, 23.422, 296.268

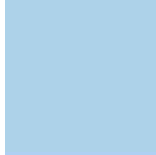


Tritanopia
83, 30.384, 216.005

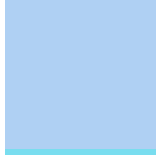
Trichromacy



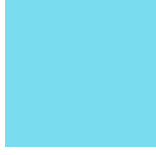
Original Color
83, 30.458, 217.034



Protanomaly
82, 16.904, 245.176



Deuteranomaly
82, 21.024, 261.386

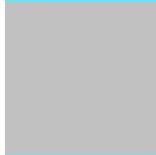


Tritanomaly
83, 30.384, 216.005

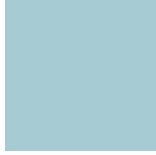
Monochromacy



Original Color
83, 30.458, 217.034



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 12.780, 215.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 30.458, 217.034 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(121, 221, 240)` looks like.

```
.text, #text, p{  
    color:rgb(121, 221, 240)  
}
```

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(121, 221, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 221, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 30.458, 217.034 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(121, 221, 240) }
```

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

```
.border{ border-color:rgb(121, 221, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 221, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 221, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 221, 240);  
box-shadow:4px 4px 4px 4px rgb(121, 221,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 30.458, 217.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 221, 240) }
```

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

```
.background{ background-color: rgb(121,  
221, 240) }
```

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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