

Converting Colors

CIELCh(83, 21.270, 216.741)

Have a look what the booklet for
CIELCh(83, 21.270, 216.741)
contains.

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Color

CIElCh(83, 21.362, 217.011)

Conversions

Conversions Part 1

Format	Color
Hex	99D9E6
RGB	153, 217, 230
RGB Percent	60%, 85%, 90%
CMY	0.3997, 0.1487, 0.0977
CMYK	0.33, 0.06, 0.00, 0.10
HSL	190°, 61%, 75%
HSV	190°, 33%, 90%
XYZ	52.2780, 62.1629, 84.1638
YIQ	199.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

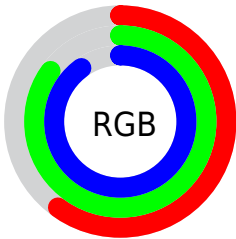
Format	Color
RYB	153, 188, 230
Decimal	10082790
CIELab	83.00, -17.06, -12.86
CIElCh	83, 21.362, 217.011
Yxy	62.1629, 0.2632, 0.3130
Android (android.graphics.Color)	4288272870 (0xFF99D9E6)
YUV	199.3460, 15.1124, -40.6454
Hunter-Lab	78.8435, -19.6199, -8.1004

Details

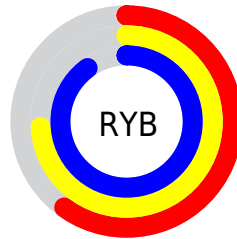
The CIELCh color **83, 21.362, 217.011** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 27.182, 36.278**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **63, 21.518, 217.723** is the 20% darker color. If you saturate the color by 10%, you get **81, 26.522, 217.741**, and if you desaturate by 10%, it is **85, 15.553, 216.508**.

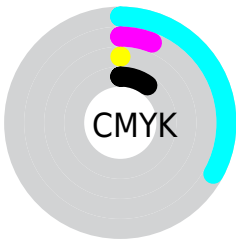
Distribution



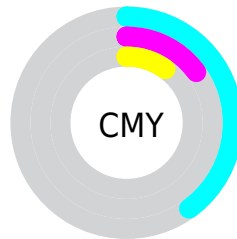
- Red (60%)
- Green (85%)
- Blue (90%)



- Red (60%)
- Yellow (74%)
- Blue (90%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (40%)
- Magenta (15%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 21.362, 217.011 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, 21.362, 217.011 by changing the saturation by 10% instead.


 83, 21.362,
217.011


 83, 21.362,
217.011


 100, 21.362,
217.011


 73, 21.362,
217.011

 63, 21.362,
217.011

 53, 21.362,
217.011

 43, 21.362,
217.011

 33, 21.362,
217.011

 23, 21.362,
217.011

 13, 21.362,

217.011

■ 3, 21.362, 217.011

■ 0, 21.362, 217.011

■ 83, 21.362,
217.011

■ 83, 21.362,
217.011

■ 81, 26.522,
217.741

■ 85, 15.553,
216.508

■ 79, 30.926,
218.765

■ 88, 9.208, 216.208

■ 77, 34.487,
220.145

■ 90, 2.433, 216.208

■ 75, 37.154,
221.953

■ 93, 4.676, 35.753

■ 74, 38.938,

■ 96, 7.456, 64.415

224.265

97, 8.196, 81.247

72, 39.930,
227.138

98, 9.505, 94.320

72, 40.299,
229.265

99, 11.180,
103.814

Harmonies

Complementary

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



83, 21.362, 217.011



74, 27.182, 36.278

Rectangle

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



83, 21.362, 217.011



83, 21.362, 267.011



83, 21.362, 37.011



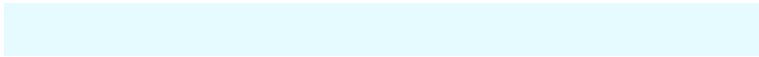
83, 21.362, 87.011

Sweetspot

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



83, 21.362, 217.007



97, 7.502, 216.153



85, 43.705, 146.804



51, 5.099, 216.172



0, 0.000, 0.000



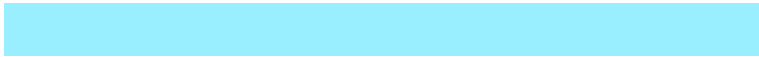
53, 0.007, 296.813

Same Dimension

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



83, 21.362, 217.007



89, 26.943, 217.475



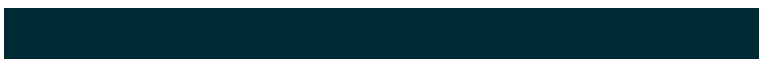
73, 28.737, 276.483



47, 3.918, 216.146



57, 33.320, 228.655



15, 14.019, 223.036

Inverse Universe

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



73, 43.749, 331.562



76, 56.483, 332.009



83, 28.940, 86.773



45, 7.391, 330.011



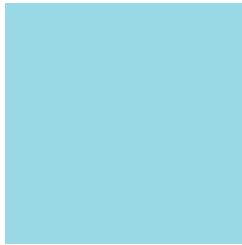
41, 77.544, 336.293



8, 33.192, 334.852

Previews

White Background



This preview shows how the CIE LCh color 83, 21.362, 217.011 looks on a white background.

Color Contrast Check

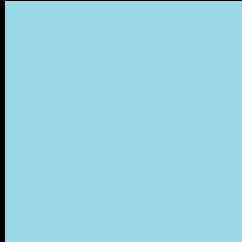
Large Text (above 18pt) WCAG AA × Fail

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, 21.362, 217.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

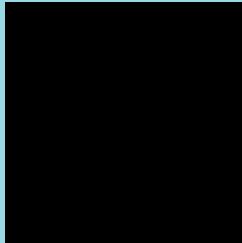
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 21.362, 217.011

Background



This preview shows how black text looks on a background with the CIELCh color 83, 21.362, 217.011.



This preview shows how white text looks on a background with the CIELCh color 83, 21.362, 217.011.

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, 21.531, 224.641

Trichromacy



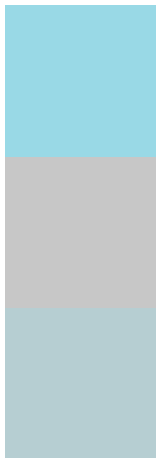
Original Color
83, 21.362, 217.011

Protanomaly
83, 11.378, 247.317

Deuteranomaly
83, 14.639, 269.732

Tritanomaly
83, 21.368, 223.261

Monochromacy



Original Color
83, 21.362, 217.011

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 8.620, 213.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 21.362, 217.011 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(153, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 230)  
}
```

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(153, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 21.362, 217.011 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(153, 217, 230) }
```

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

```
.border{ border-color:rgb(153, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 21.362, 217.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 230) }
```

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

```
.background{ background-color: rgb(153,  
217, 230) }
```

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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