

# Converting Colors

CIELCh(83, 11.792, 205.418)

Have a look what the booklet for  
CIELCh(83, 11.792, 205.418)  
contains.

<b>CIELCh(83, 11.779, 206.402)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(83, 11.779, 206.402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D5D8
RGB	179, 213, 216
RGB Percent	70%, 84%, 85%
CMY	0.2978, 0.1645, 0.1527
CMYK	0.17, 0.01, 0.00, 0.15
HSL	185°, 32%, 77%
HSV	185°, 17%, 85%
XYZ	54.8091, 62.1629, 74.1089
YIQ	203.1760, -21.2270, -6.2750

# Conversions

## Conversions Part 2

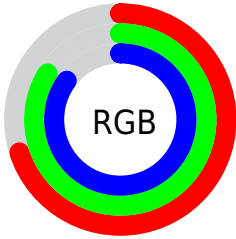
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 197, 216
Decimal	11785688
CIELab	83.00, -10.55, -5.24
CIElCh	83, 11.779, 206.402
Yxy	62.1629, 0.2868, 0.3253
Android (android.graphics.Color)	4289975768 (0xFFB3D5D8)
YUV	203.1760, 6.3222, -21.2024
Hunter-Lab	78.8435, -13.8895, -0.5392

# Details

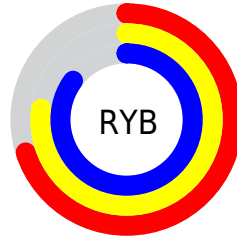
The CIELCh color  $83, 11.779, 206.402$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $77, 13.212, 27.358$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 6.851, 199.068$ , and  $63, 11.563, 206.834$  is the 20% darker color. If you saturate the color by 10%, you get  $81, 18.029, 206.273$ , and if you desaturate by 10%, it is  $85, 5.041, 206.656$ .

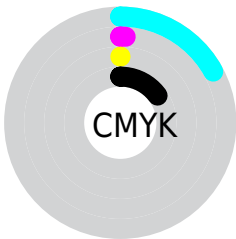
# Distribution



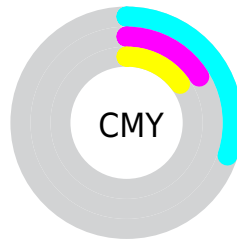
- Red (70%)
- Green (84%)
- Blue (85%)



- Red (70%)
- Yellow (77%)
- Blue (85%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)




- Cyan (30%)
- Magenta (16%)
- Yellow (15%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 11.779, 206.402 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, 11.779, 206.402 by changing the saturation by 10% instead.





 83, 11.779,  
206.402


 83, 11.779,  
206.402


 100, 11.779,  
206.402


 73, 11.779,  
206.402

 63, 11.779,  
206.402

 53, 11.779,  
206.402

 43, 11.779,  
206.402

 33, 11.779,  
206.402

 23, 11.779,  
206.402

 13, 11.779,

206.402

■ 3, 11.779, 206.402

■ 0, 11.779, 206.402

■ 83, 11.779,  
206.402

■ 83, 11.779,  
206.402

■ 81, 18.029,  
206.273

■ 85, 5.041, 206.656

■ 80, 23.671,  
206.274

■ 87, 2.080, 26.522

■ 78, 28.591,  
206.418

■ 89, 9.485, 27.065

■ 77, 32.682,  
206.729

■ 91, 13.137, 29.284

■ 91, 12.681, 33.685

■ 76, 35.866,

■ 91, 12.307, 38.383

207.237

92, 12.022, 43.336

75, 38.105,  
207.972

92, 11.832, 48.486

74, 39.421,  
208.962

93, 11.742, 53.755

73, 39.921,  
210.221

73, 39.995,  
210.609

# Harmonies

# Complementary

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



83, 11.779, 206.402



77, 13.212, 27.358

# Rectangle

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



83, 11.779, 206.402



83, 11.779, 256.402



83, 11.779, 26.402



83, 11.779, 76.402

# Sweetspot

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



83, 11.780, 206.394



99, 4.067, 206.753



83, 22.836, 145.196



53, 2.770, 206.716



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, 11.780, 206.394



95, 16.307, 206.330



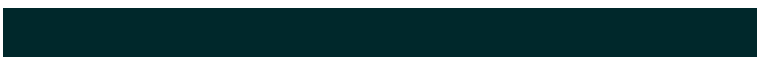
78, 12.366, 264.745



44, 3.963, 206.576



59, 33.616, 210.358



14, 13.380, 207.573



# Inverse Universe

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



77, 22.643, 327.672



87, 31.789, 327.911



81, 12.695, 80.063



42, 7.425, 327.217



40, 80.364, 331.722

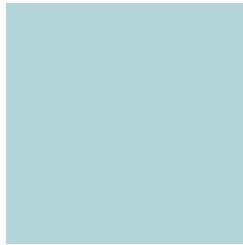


6, 31.064, 330.849



# Previews

## White Background



This preview shows how the CIELCh color 83, 11.779, 206.402 looks on a white background.

## Color Contrast Check

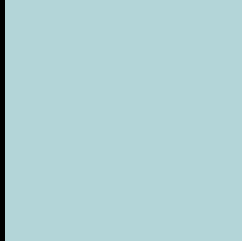
Large Text (above 18pt) WCAG AA × Fail

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, 11.779, 206.402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

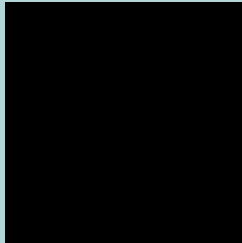
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

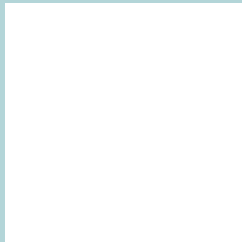
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 11.779, 206.402**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 11.779, 206.402.



This preview shows how white text looks on a background with the CIELCh color 83, 11.779, 206.402.

# 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, 11.779, 206.402

**Protanopia**  
83, 3.374, 309.155

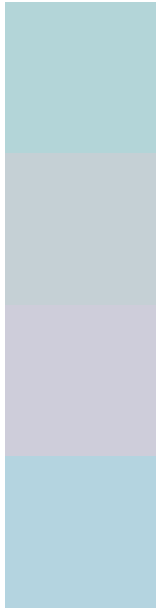
**Deuteranopia**  
83, 12.626, 327.652





**Tritanopia**  
83, 13.308, 241.575

# Trichromacy



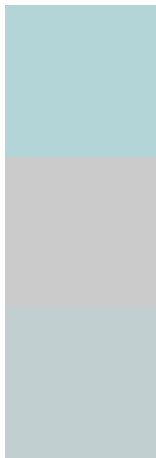
**Original Color**  
83, 11.779, 206.402

**Protanomaly**  
83, 4.672, 233.809

**Deuteranomaly**  
83, 6.898, 293.729

**Tritanomaly**  
83, 12.403, 229.672

# Monochromacy



**Original Color**  
83, 11.779, 206.402

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 4.661, 205.721

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 11.779, 206.402 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(179, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 213, 216)  
}
```

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(179, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 213, 216) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 11.779, 206.402 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(179, 213, 216) }
```

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

```
.border{ border-color:rgb(179, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 213,  
216) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 11.779, 206.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 213, 216) }
```

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

```
.background{ background-color: rgb(179,  
213, 216) }
```

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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