

# Converting Colors

CIELCh(78, 13.184, 229.888)

Have a look what the booklet for  
CIELCh(78, 13.184, 229.888)  
contains.

<b>CIELCh(78, 13.028, 231.189)</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(78, 13.028, 231.189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C6D3
RGB	165, 198, 211
RGB Percent	65%, 78%, 83%
CMY	0.3522, 0.2227, 0.1718
CMYK	0.22, 0.06, 0.00, 0.17
HSL	197°, 34%, 74%
HSV	197°, 22%, 83%
XYZ	47.5799, 53.2120, 69.5225
YIQ	189.6150, -23.8410, -2.9530

# Conversions

## Conversions Part 2

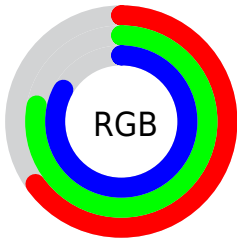
Format	Color
<a href="#">RYB</a>	<a href="#">165, 184, 211</a>
Decimal	<a href="#">10864339</a>
CIELab	<a href="#">78.00, -8.17, -10.15</a>
CIElCh	<a href="#">78, 13.028, 231.189</a>
Yxy	<a href="#">53.2120, 0.2794, 0.3124</a>
Android (android.graphics.Color)	<a href="#">4289054419</a> ( <a href="#">0xFFA5C6D3</a> )
YUV	<a href="#">189.6150, 10.5428, -21.5874</a>
Hunter-Lab	<a href="#">72.9466, -11.2287, -5.4444</a>

# Details

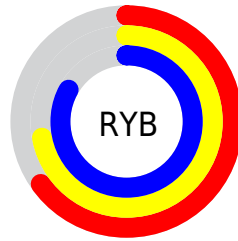
The CIELCh color **78, 13.028, 231.189** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 14.845, 48.204**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 11.478, 198.739**, and **58, 12.969, 230.478** is the 20% darker color. If you saturate the color by 10%, you get **75, 18.453, 232.353**, and if you desaturate by 10%, it is **81, 7.224, 230.295**.

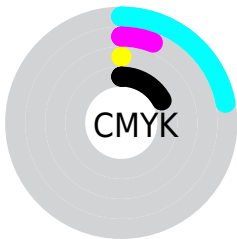
# Distribution



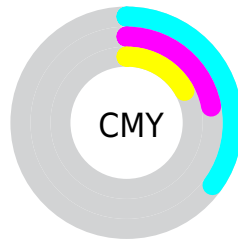
- Red (65%)
- Green (78%)
- Blue (83%)



- Red (65%)
- Yellow (72%)
- Blue (83%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)




- Cyan (35%)
- Magenta (22%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 13.028, 231.189 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 78, 13.028, 231.189 by changing the saturation by 10% instead.





 78, 13.028,  
231.189

 78, 13.028,  
231.189


 100, 13.028,  
231.189


 68, 13.028,  
231.189


 98, 13.028,  
231.189

 58, 13.028,  
231.189

 48, 13.028,  
231.189

 38, 13.028,  
231.189

 28, 13.028,  
231.189

 18, 13.028,  
231.189

 8, 13.028, 231.189

0, 13.028, 231.189

78, 13.028,  
231.189

78, 13.028,  
231.189

75, 18.453,  
232.353

81, 7.224, 230.295

72, 23.422,  
233.860

84, 1.118, 229.986

87, 5.223, 48.855

70, 27.861,  
235.783

90, 11.741, 48.488

67, 31.714,  
238.210

92, 13.324, 60.301

94, 14.103, 75.438

65, 34.961,  
241.233

95, 15.740, 88.136

63, 37.640,  
244.928

97, 17.990, 97.985

■ 61, 39.861,  
249.317

■ 98, 20.645,  
105.411

■ 59, 41.527,  
253.283

# Harmonies

# Complementary

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



78, 13.028, 231.189



75, 14.845, 48.204

# Rectangle

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



78, 13.028, 231.189



78, 13.028, 281.189



78, 13.028, 51.189



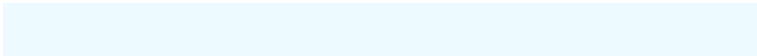
78, 13.028, 101.189

# Sweetspot

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



78, 13.028, 231.182



97, 5.054, 229.984



81, 24.701, 151.359



52, 3.279, 230.019



0, 0.000, 0.000



53, 0.007, 296.813



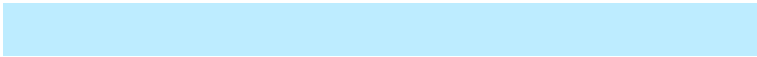


# Same Dimension

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



78, 13.028, 231.182



91, 17.891, 231.671



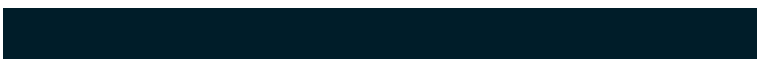
72, 19.448, 281.279



42, 3.469, 230.127



48, 34.844, 252.417



9, 12.524, 241.242



# Inverse Universe

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



73, 24.597, 335.088



84, 34.234, 335.427



81, 19.101, 95.736



41, 6.313, 334.189



37, 68.479, 343.480



5, 25.024, 339.937



# Previews

## White Background



This preview shows how the CIELCh color 78, 13.028, 231.189 looks on a white background.

## Color Contrast Check

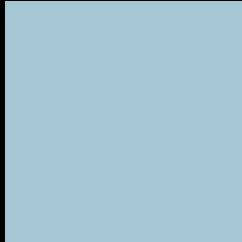
Large Text (above 18pt) WCAG AA × Fail

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 78, 13.028, 231.189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

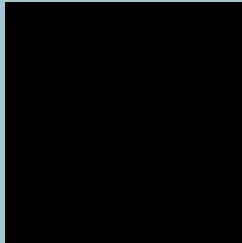
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

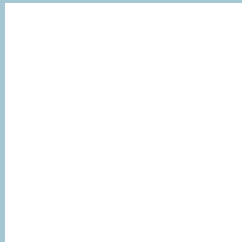
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 78, 13.028, 231.189**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 13.028, 231.189.

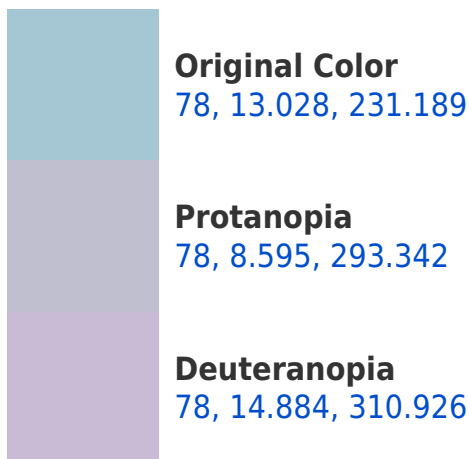


This preview shows how white text looks on a background with the CIELCh color 78, 13.028, 231.189.

# 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

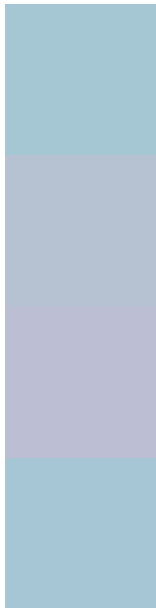






**Tritanopia**  
78, 13.593, 238.057

# Trichromacy



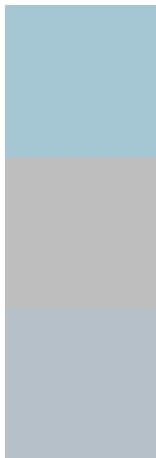
**Original Color**  
78, 13.028, 231.189

**Protanomaly**  
78, 8.981, 262.994

**Deuteranomaly**  
78, 11.292, 285.867

**Tritanomaly**  
78, 13.299, 236.114

# Monochromacy



**Original Color**  
78, 13.028, 231.189

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 5.025, 231.541

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 13.028, 231.189 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(165, 198, 211)` looks like.

```
.text, #text, p{  
    color:rgb(165, 198, 211)  
}
```

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(165, 198, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 13.028, 231.189 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(165, 198, 211) }
```

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

```
.border{ border-color:rgb(165, 198, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 198, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 211);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 13.028, 231.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 211) }
```

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

```
.background{ background-color: rgb(165,  
198, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor