

# Converting Colors

CIELCh(77, 17.853, 235.999)

Have a look what the booklet for  
CIELCh(77, 17.853, 235.999)  
contains.

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# Color

**CIELCh(77, 17.916, 235.599)**

# Conversions

Conversions Part 1	
Format	Color
Hex	98C5D9
RGB	152, 197, 217
RGB Percent	60%, 77%, 85%
CMY	0.4045, 0.2280, 0.1496
CMYK	0.30, 0.09, 0.00, 0.15
HSL	198°, 46%, 72%
HSV	198°, 30%, 85%
XYZ	45.3619, 51.5317, 73.1025
YIQ	185.8250, -33.2400, -3.3200

# Conversions

## Conversions Part 2

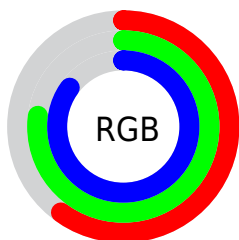
Format	Color
<a href="#">RYB</a>	<a href="#">152, 179, 217</a>
Decimal	<a href="#">10012121</a>
CIELab	<a href="#">77.00, -10.12, -14.78</a>
CIELCh	<a href="#">77, 17.916, 235.599</a>
Yxy	<a href="#">51.5317, 0.2668, 0.3031</a>
Android (android.graphics.Color)	<a href="#">4288202201</a> (0xFF98C5D9)
YUV	<a href="#">185.8250, 15.3693, -29.6645</a>
Hunter-Lab	<a href="#">71.7856, -12.8292, -10.1277</a>

# Details

The CIELCh color **77, 17.916, 235.599** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 21.410, 50.612**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 15.288, 200.418**, and **57, 17.853, 235.999** is the 20% darker color. If you saturate the color by 10%, you get **74, 23.151, 237.194**, and if you desaturate by 10%, it is **80, 12.261, 234.339**.

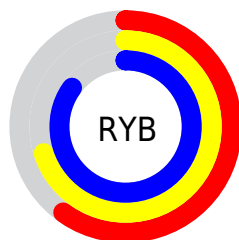
# Distribution



Red (60%)

Green (77%)

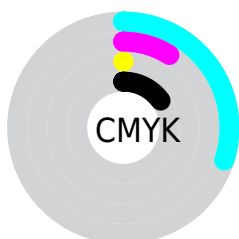
Blue (85%)



Red (60%)

Yellow (70%)

Blue (85%)

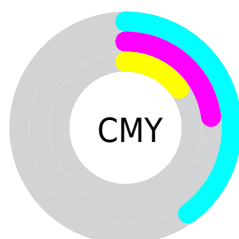


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (15%)



Cyan (40%)

Magenta (23%)

Yellow (15%)

# Brightness & Saturation

## Gradients


These gradients show how the CIELCh color 77, 17.916, 235.599 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 77, 17.916, 235.599 by changing the saturation by 10% instead.




 77, 17.916,  
235.599

 77, 17.916,  
235.599

 100, 17.916,  
235.599

 67, 17.916,  
235.599

 97, 17.916,  
235.599

 57, 17.916,  
235.599

 47, 17.916,  
235.599

 37, 17.916,  
235.599

 27, 17.916,  
235.599

 17, 17.916,  
235.599

 7, 17.916, 235.599

0, 17.916, 235.599

77, 17.916,  
235.599

77, 17.916,  
235.599

74, 23.151,  
237.194

80, 12.261,  
234.339

71, 27.898,  
239.212

83, 6.261, 233.377

68, 32.103,  
241.740

87, 0.017, 19.025

90, 6.501, 51.793

66, 35.748,  
244.866

93, 11.480, 56.481

63, 38.869,  
248.661

95, 12.259, 76.179

96, 14.251, 91.831

61, 41.575,  
253.139

98, 17.019,

■ 59, 44.094,  
258.107

102.937

■ 99, 19.283,  
108.718

■ 59, 44.102,  
258.121

# Harmonies

# Complementary

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



77, 17.916, 235.599



74, 21.410, 50.612

# Rectangle

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



77, 17.916, 235.599



77, 17.916, 285.599



77, 17.916, 55.599



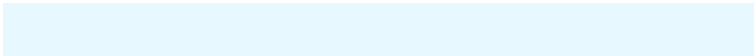
77, 17.916, 105.599

# Sweetspot

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



77, 17.915, 235.595



97, 6.457, 233.307



81, 33.815, 151.857



51, 4.473, 233.425



0, 0.000, 0.000



53, 0.007, 296.813



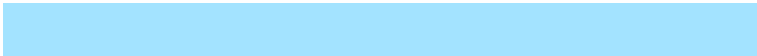


# Same Dimension

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



77, 17.915, 235.595



87, 24.069, 236.567



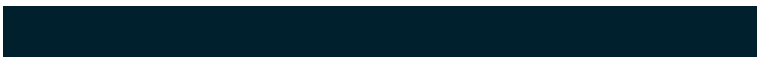
68, 28.789, 284.648



44, 3.601, 233.335



48, 37.041, 257.270



11, 13.816, 246.975



# Inverse Universe

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



70, 34.001, 336.788



78, 46.450, 337.317



82, 27.799, 96.897



43, 6.449, 335.212



38, 68.859, 345.347

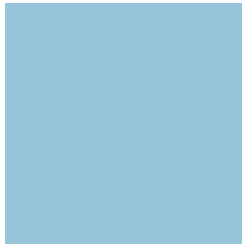


6, 27.884, 341.689



# Previews

## White Background



This preview shows how the CIELCh color 77, 17.916, 235.599 looks on a white background.

## Color Contrast Check

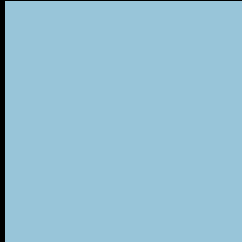
Large Text (above 18pt) WCAG AA × Fail

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 77, 17.916, 235.599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

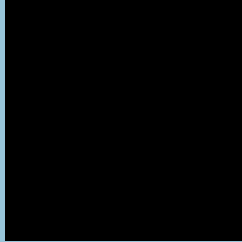
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 77, 17.916, 235.599**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 77, 17.916, 235.599.



This preview shows how white text looks on a background with the CIELCh color 77, 17.916, 235.599.

# 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

77, 17.916, 235.599

### Protanopia

77, 12.376, 288.078

### Deuteranopia

77, 18.622, 301.494

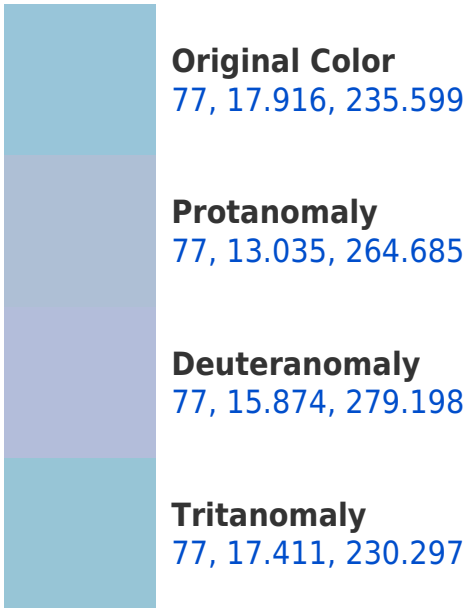




## Tritanopia

77, 17.189, 228.639

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 17.916, 235.599 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(152, 197, 217)` looks like.

```
.text, #text, p{  
    color:rgb(152, 197, 217)  
}
```

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(152, 197, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 197, 217) }
```

## Border

The CSS property to change the border of an element to CIElCh 77, 17.916, 235.599 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(152, 197, 217) }
```

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

```
.border{ border-color:rgb(152, 197, 217) }
```

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

Here you see how a box with a 4 pixel rgb(152, 197, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 197, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 197, 217);  
box-shadow:4px 4px 4px 4px rgb(152, 197,  
217) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 17.916, 235.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 197, 217) }
```

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

```
.background{ background-color: rgb(152,  
197, 217) }
```

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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