

# Converting Colors

CIELCh(78, 35.959, 173.870)

Have a look what the booklet for  
CIELCh(78, 35.959, 173.870)  
contains.

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**Color**

**CIELCh(78, 35.972, 173.966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ED3B9
RGB	110, 211, 185
RGB Percent	43%, 83%, 73%
CMY	0.5699, 0.1738, 0.2757
CMYK	0.48, 0.00, 0.12, 0.17
HSL	165°, 53%, 63%
HSV	165°, 48%, 83%
XYZ	38.3282, 53.2120, 53.9773
YIQ	177.8370, -51.8500, -29.4980

# Conversions

## Conversions Part 2

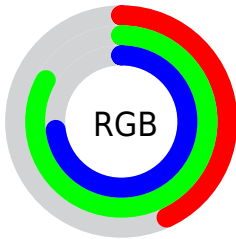
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 168, 211
Decimal	7263161
CIELab	78.00, -35.77, 3.78
CIELCh	78, 35.972, 173.966
Yxy	53.2120, 0.2634, 0.3657
Android (android.graphics.Color)	4285453241 (0xFF6ED3B9)
YUV	177.8370, 3.5314, -59.4930
Hunter-Lab	72.9466, -33.8676, 7.1906

# Details

The CIELCh color **78, 35.972, 173.966** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 42.625, 5.427**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.438, 183.318**, and **58, 36.089, 173.896** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.953, 172.629**, and if you desaturate by 10%, it is **79, 29.299, 175.179**.

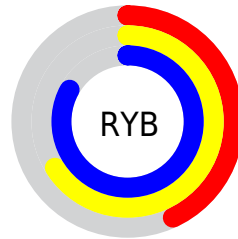
# Distribution



Red (43%)

Green (83%)

Blue (73%)



Red (43%)

Yellow (66%)

Blue (83%)

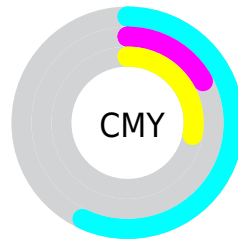


Cyan (48%)

Magenta (0%)

Yellow (12%)

Black (17%)



Cyan (57%)

Magenta (17%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 35.972, 173.966 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, 35.972, 173.966 by changing the saturation by 10% instead.





 78, 35.972,  
173.966


 78, 35.972,  
173.966


 100, 35.972,  
173.966


 68, 35.972,  
173.966


 98, 35.972,  
173.966

 58, 35.972,  
173.966

 48, 35.972,  
173.966

 38, 35.972,  
173.966

 28, 35.972,  
173.966

 18, 35.972,  
173.966

 8, 35.972, 173.966

0, 35.972, 173.966

78, 35.972,  
173.966

78, 35.972,  
173.966

77, 41.953,  
172.629

79, 29.299,  
175.179

76, 47.133,  
171.147

80, 22.062,  
176.295

76, 51.448,  
169.496

82, 14.401,  
177.335

76, 54.895,  
167.656

83, 6.445, 178.339

75, 57.584,  
165.641

85, 1.689, 358.862

75, 58.102,  
165.229

87, 9.903, 359.972

88, 17.367,  
359.830

■ 89, 18.440,  
351.556

■ 89, 19.868,  
344.361

# Harmonies

# Complementary

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



78, 35.972, 173.966



59, 42.625, 5.427

# Rectangle

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



78, 35.972, 173.966



78, 35.972, 223.966



78, 35.972, 353.966



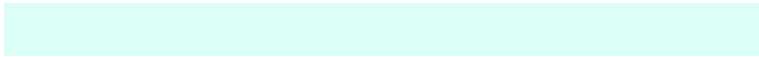
78, 35.972, 43.966

# Sweetspot

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



78, 35.973, 173.965



97, 13.184, 177.715



78, 59.563, 134.250



52, 9.077, 177.497



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, 35.973, 173.965



92, 48.899, 172.531



72, 26.115, 227.581



43, 4.571, 178.190



61, 48.904, 165.582



14, 17.550, 170.238



# Inverse Universe

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



59, 42.625, 5.427



65, 60.096, 7.923



63, 36.994, 42.753



41, 4.716, 359.817



35, 65.512, 24.420

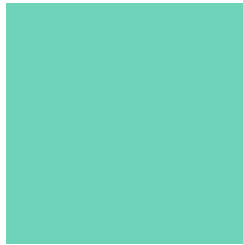


4, 20.355, 7.610



# Previews

## White Background



This preview shows how the CIELCh color 78, 35.972, 173.966 looks on a white background.

## Color Contrast Check

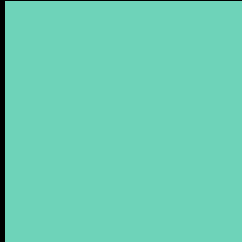
Large Text (above 18pt) WCAG AA × Fail

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, 35.972, 173.966 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

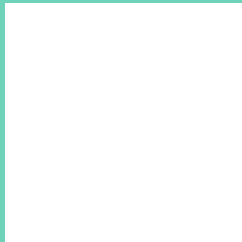
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 78, 35.972, 173.966

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 35.972, 173.966.

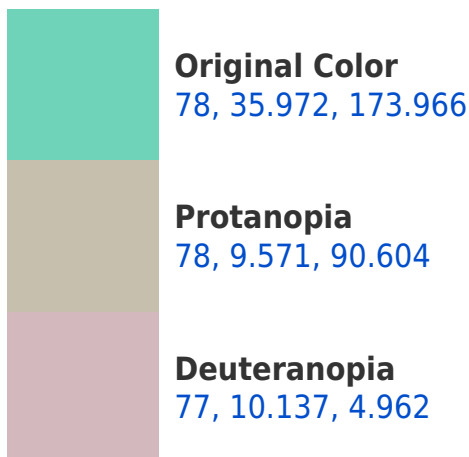


This preview shows how white text looks on a background with the CIELCh color 78, 35.972, 173.966.

# 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





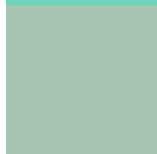


**Tritanopia**  
78, 26.713, 217.846

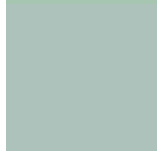
# Trichromacy



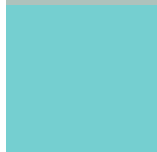
**Original Color**  
78, 35.972, 173.966



**Protanomaly**  
77, 15.754, 155.419



**Deuteranomaly**  
77, 8.000, 175.072



**Tritanomaly**  
78, 28.093, 198.506

# Monochromacy



**Original Color**  
78, 35.972, 173.966



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
74, 14.456, 176.253

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 35.972, 173.966 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(110, 211, 185)` looks like.

```
.text, #text, p{  
    color:rgb(110, 211, 185)  
}
```

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(110, 211, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 211, 185) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 35.972, 173.966 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(110, 211, 185) }
```

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

```
.border{ border-color:rgb(110, 211, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 211, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 211, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 211, 185);  
box-shadow:4px 4px 4px 4px rgb(110, 211,  
185) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 35.972, 173.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 211, 185) }
```

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

```
.background{ background-color: rgb(110,  
211, 185) }
```

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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