

Converting Colors

CIELCh(78, 38.651, 151.549)

Have a look what the booklet for
CIELCh(78, 38.651, 151.549)
contains.

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Color

CIELCh(78, 38.340, 151.720)

Conversions

Conversions Part 1

Format	Color
Hex	87D19E
RGB	135, 209, 158
RGB Percent	53%, 82%, 62%
CMY	0.4706, 0.1804, 0.3804
CMYK	0.35, 0.00, 0.24, 0.18
HSL	139°, 45%, 67%
HSV	139°, 35%, 82%
XYZ	38.9569, 53.2120, 40.5593
YIQ	181.0600, -27.7330, -31.5490

Conversions

Conversions Part 2

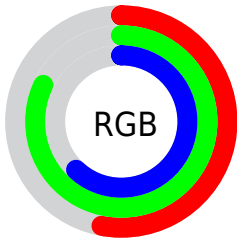
Format	Color
RYB	135, 191, 209
Decimal	8901022
CIELab	78.00, -33.76, 18.16
CIELCh	78, 38.340, 151.720
Yxy	53.2120, 0.2935, 0.4009
Android (android.graphics.Color)	4287091102 (0xFF87D19E)
YUV	181.0600, -11.3686, -40.3946
Hunter-Lab	72.9466, -32.3291, 18.0965

Details

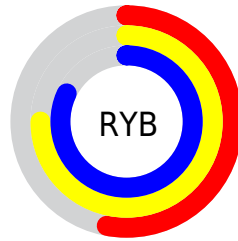
The CIELCh color **78, 38.340, 151.720** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **65, 38.819, 337.373**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 31.513, 154.450**, and **58, 38.399, 151.404** is the 20% darker color. If you saturate the color by 10%, you get **77, 48.706, 150.561**, and if you desaturate by 10%, it is **79, 27.627, 152.728**.

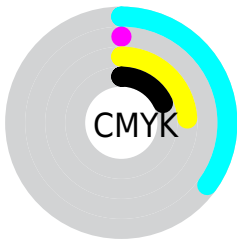
Distribution



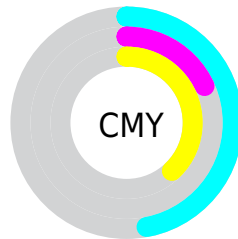
- Red (53%)
- Green (82%)
- Blue (62%)



- Red (53%)
- Yellow (75%)
- Blue (82%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)




- Cyan (47%)
- Magenta (18%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 38.340, 151.720 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, 38.340, 151.720 by changing the saturation by 10% instead.

 78, 38.340,
151.720

 78, 38.340,
151.720

 100, 38.340,
151.720


 68, 38.340,
151.720


 98, 38.340,
151.720

 58, 38.340,
151.720

 48, 38.340,
151.720

 38, 38.340,
151.720

 28, 38.340,
151.720

 18, 38.340,
151.720

 8, 38.340, 151.720

■ 0, 38.340, 151.720

■ 78, 38.340,
151.720

■ 78, 38.340,
151.720

■ 77, 48.706,
150.561

■ 79, 27.627,
152.728

■ 76, 58.520,
149.230

■ 81, 16.745,
153.610

■ 75, 67.575,
147.713

■ 83, 5.849, 154.413

■ 74, 75.687,
146.009

■ 85, 4.942, 334.952

■ 74, 82.712,
144.141

■ 87, 15.540,
335.594

■ 74, 88.573,
142.167

■ 89, 24.601,
332.776

■ 89, 28.843,

■ 74, 90.942,
141.302

325.429

Harmonies

Complementary

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



78, 38.340, 151.720



65, 38.819, 337.373

Rectangle

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



78, 38.340, 151.720



78, 38.340, 201.720



78, 38.340, 331.720



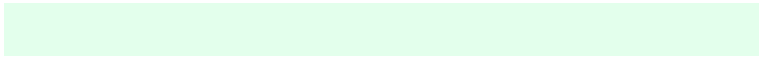
78, 38.340, 21.720

Sweetspot

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



78, 38.341, 151.720



98, 14.027, 153.958



81, 39.497, 119.751



52, 9.430, 153.848



0, 0.000, 0.000



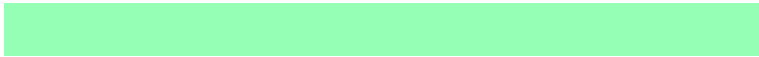
53, 0.007, 296.813

Same Dimension

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



78, 38.341, 151.720



92, 53.122, 150.917



79, 26.306, 179.905



43, 6.154, 154.094



60, 76.827, 141.629



13, 25.897, 147.936

Inverse Universe

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



65, 38.819, 337.373



75, 53.765, 337.992



64, 30.547, 7.420



41, 6.187, 335.340



37, 67.253, 345.530



5, 24.506, 341.566

Previews

White Background



This preview shows how the CIELCh color 78, 38.340, 151.720 looks on a white background.

Color Contrast Check

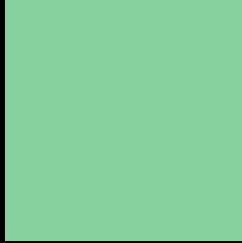
Large Text (above 18pt) WCAG AA × Fail

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, 38.340, 151.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

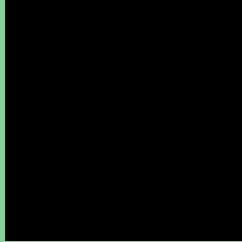
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 38.340, 151.720

Background



This preview shows how black text looks on a background with the CIELCh color 78, 38.340, 151.720.



This preview shows how white text looks on a background with the CIELCh color 78, 38.340, 151.720.

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](#).

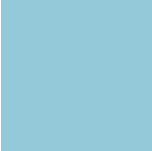
Dichromacy



Original Color
78, 38.340, 151.720

Protanopia
78, 22.945, 94.916

Deuteranopia
78, 18.668, 58.897



Tritanopia
78, 19.241, 224.923

Trichromacy



Original Color
78, 38.340, 151.720



Protanomaly
78, 24.903, 124.366



Deuteranomaly
77, 17.638, 113.612



Tritanomaly
78, 21.292, 186.155

Monochromacy



Original Color
78, 38.340, 151.720



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 14.033, 154.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 38.340, 151.720 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(135, 209, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 209, 158)  
}
```

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(135, 209, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 209, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 38.340, 151.720 is called "border". The border property can be set on classes, ids or directly on the HTML element.

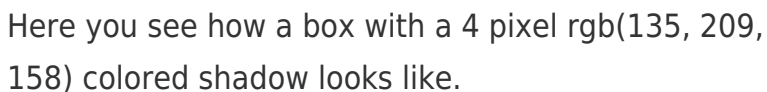
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 209, 158) }
```

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

```
.border{ border-color:rgb(135, 209, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 209, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 209, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 209, 158); box-shadow:4px 4px 4px 4px rgb(135, 209, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 38.340, 151.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 209, 158) }
```

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

```
.background{ background-color: rgb(135,  
209, 158) }
```

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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