

Converting Colors

CIELCh(78, 39.031, 173.057)

Have a look what the booklet for
CIELCh(78, 39.031, 173.057)
contains.

CIELCh(78, 39.028, 173.088)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 39.028, 173.088)

Conversions

Conversions Part 1

Format	Color
Hex	65D4B7
RGB	101, 212, 183
RGB Percent	40%, 83%, 72%
CMY	0.6043, 0.1690, 0.2827
CMYK	0.52, 0.00, 0.14, 0.17
HSL	164°, 56%, 61%
HSV	164°, 52%, 83%
XYZ	37.4106, 53.2120, 53.0461
YIQ	175.5050, -56.8470, -32.5510

Conversions

Conversions Part 2

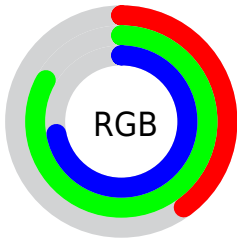
Format	Color
RYB	101, 165, 212
Decimal	6673591
CIELab	78.00, -38.74, 4.70
CIELCh	78, 39.028, 173.088
Yxy	53.2120, 0.2604, 0.3704
Android (android.graphics.Color)	4284863671 (0xFF65D4B7)
YUV	175.5050, 3.6950, -65.3409
Hunter-Lab	72.9466, -36.1129, 7.9474

Details

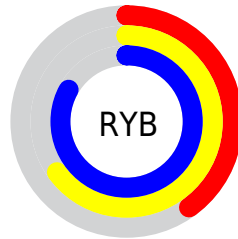
The CIELCh color **78, 39.028, 173.088** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 46.850, 6.100**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.937, 182.366**, and **58, 39.165, 172.804** is the 20% darker color. If you saturate the color by 10%, you get **77, 44.723, 171.682**, and if you desaturate by 10%, it is **79, 32.588, 174.358**.

Distribution



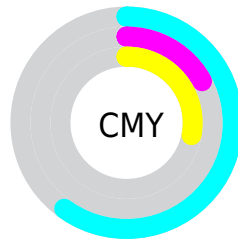
- Red (40%)
- Green (83%)
- Blue (72%)



- Red (40%)
- Yellow (65%)
- Blue (83%)



- Cyan (52%)
- Magenta (0%)
- Yellow (14%)
- Black (17%)





- Cyan (60%)
- Magenta (17%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 39.028, 173.088 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, 39.028, 173.088 by changing the saturation by 10% instead.


 78, 39.028,
173.088

 78, 39.028,
173.088


 100, 39.028,
173.088


 68, 39.028,
173.088


 98, 39.028,
173.088

 58, 39.028,
173.088

 48, 39.028,
173.088

 38, 39.028,
173.088

 28, 39.028,
173.088

 18, 39.028,
173.088

 8, 39.028, 173.088

0, 39.028, 173.088

78, 39.028,
173.088

78, 39.028,
173.088

77, 44.723,
171.682

79, 32.588,
174.358

77, 49.578,
170.118

80, 25.524,
175.520

76, 53.554,
168.373

81, 17.976,
176.594

76, 56.686,
166.436

83, 10.077,
177.608

76, 58.656,
164.877

84, 1.953, 178.749

86, 6.290, 359.284

88, 14.564, 0.166

■ 89, 17.558,
353.925

■ 89, 18.926,
346.051

Harmonies

Complementary

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



78, 39.028, 173.088



57, 46.850, 6.100

Rectangle

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



78, 39.028, 173.088



78, 39.028, 223.088



78, 39.028, 353.088



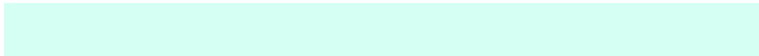
78, 39.028, 43.088

Sweetspot

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



78, 39.029, 173.087



97, 15.064, 177.228



78, 64.998, 133.992



51, 10.143, 177.018



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, 39.029, 173.087



91, 52.199, 171.490



71, 28.048, 228.324



44, 4.672, 177.904



62, 49.715, 165.215



15, 18.348, 169.612

Inverse Universe

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



57, 46.850, 6.100



63, 64.922, 9.033



62, 41.334, 42.874



42, 4.819, 359.538



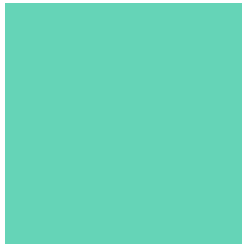
36, 66.131, 24.160



5, 22.170, 8.131

Previews

White Background



This preview shows how the CIE LCh color 78, 39.028, 173.088 looks on a white background.

Color Contrast Check

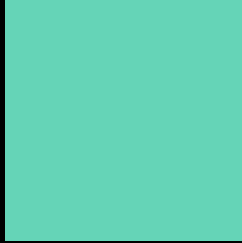
Large Text (above 18pt) WCAG AA × Fail

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, 39.028, 173.088 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

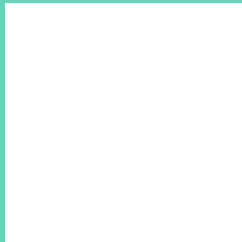
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 39.028, 173.088

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.028, 173.088.

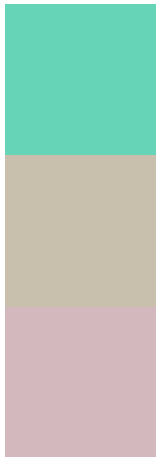


This preview shows how white text looks on a background with the CIELCh color 78, 39.028, 173.088.

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, 39.028, 173.088

Protanopia
78, 10.710, 90.312

Deuteranopia
77, 10.026, 7.918



Tritanopia
78, 28.487, 216.424

Trichromacy



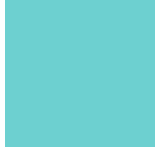
Original Color
78, 39.028, 173.088



Protanomaly
77, 17.937, 154.745



Deuteranomaly
77, 9.777, 172.605

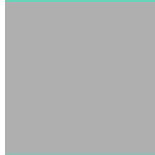


Tritanomaly
78, 30.320, 197.248

Monochromacy



Original Color
78, 39.028, 173.088



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.427, 177.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.028, 173.088 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(101, 212, 183)` looks like.

```
.text, #text, p{  
    color:rgb(101, 212, 183)  
}
```

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(101, 212, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 212, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.028, 173.088 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(101, 212, 183) }
```

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

```
.border{ border-color:rgb(101, 212, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 212, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 212, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 212, 183);  
box-shadow:4px 4px 4px 4px rgb(101, 212,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.028, 173.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 212, 183) }
```

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

```
.background{ background-color: rgb(101,  
212, 183) }
```

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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