

Converting Colors

CIELCh(78, 22.394, 196.900)

Have a look what the booklet for
CIELCh(78, 22.394, 196.900)
contains.

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Color

CIELCh(78, 22.435, 196.403)

Conversions

Conversions Part 1

Format	Color
Hex	89CDCC
RGB	137, 205, 204
RGB Percent	54%, 80%, 80%
CMY	0.4635, 0.1969, 0.2008
CMYK	0.33, 0.00, 0.00, 0.20
HSL	179°, 40%, 67%
HSV	179°, 33%, 80%
XYZ	42.9374, 53.2120, 65.0026
YIQ	184.5540, -40.2070, -14.7270

Conversions

Conversions Part 2

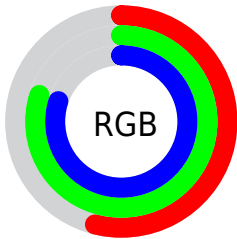
Format	Color
RYB	137, 171, 205
Decimal	9031116
CIELab	78.00, -21.52, -6.34
CIELCh	78, 22.435, 196.403
Yxy	53.2120, 0.2664, 0.3302
Android (android.graphics.Color)	4287221196 (0xFF89CDCC)
YUV	184.5540, 9.5869, -41.7049
Hunter-Lab	72.9466, -22.5888, -1.7706

Details

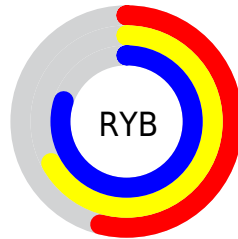
The CIELCh color **78, 22.435, 196.403** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 28.035, 21.200**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **58, 22.620, 195.901** is the 20% darker color. If you saturate the color by 10%, you get **77, 27.928, 195.936**, and if you desaturate by 10%, it is **79, 16.265, 196.911**.

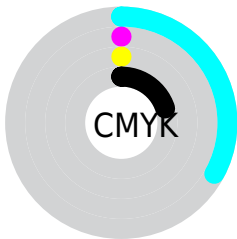
Distribution



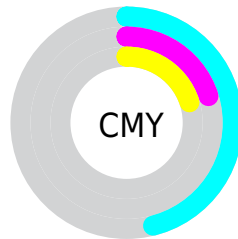
- Red (54%)
- Green (80%)
- Blue (80%)



- Red (54%)
- Yellow (67%)
- Blue (80%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 22.435, 196.403 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, 22.435, 196.403 by changing the saturation by 10% instead.

 78, 22.435,
196.403

 78, 22.435,
196.403

 100, 22.435,
196.403

 68, 22.435,
196.403

 98, 22.435,
196.403

 58, 22.435,
196.403

 48, 22.435,
196.403

 38, 22.435,
196.403

 28, 22.435,
196.403

 18, 22.435,
196.403

 8, 22.435, 196.403

■ 0, 22.435, 196.403

■ 78, 22.435,
196.403

■ 78, 22.435,
196.403

■ 77, 27.928,
195.936

■ 79, 16.265,
196.911

■ 76, 32.634,
195.520

■ 80, 9.536, 197.476

■ 76, 36.466,
195.153

■ 82, 2.368, 198.227

■ 83, 5.128, 18.481

■ 75, 39.379,
194.830

■ 85, 12.854, 19.166

■ 75, 41.374,
194.547

■ 87, 18.920, 19.560

■ 87, 18.913, 19.088

■ 75, 42.516,
194.296

■ 87, 18.907, 18.616

■ 75, 42.953,
194.137

■ 87, 18.902, 18.144

Harmonies

Complementary

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



78, 22.435, 196.403



64, 28.035, 21.200

Rectangle

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



78, 22.435, 196.403



78, 22.435, 246.403



78, 22.435, 16.403



78, 22.435, 66.403

Sweetspot

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



78, 22.435, 196.400



98, 8.699, 197.666



77, 44.084, 141.682



52, 5.913, 197.577



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, 22.435, 196.400



94, 31.289, 196.056



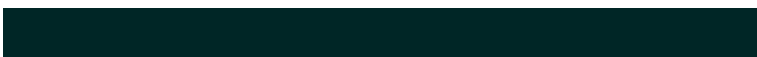
69, 20.962, 258.890



42, 4.124, 197.714



62, 36.698, 194.170



13, 13.629, 194.623

Inverse Universe

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



64, 28.035, 21.200



74, 41.352, 22.294



72, 23.224, 69.561



40, 4.368, 18.733



34, 74.948, 39.228



4, 17.915, 18.679

Previews

White Background



This preview shows how the CIELCh color 78, 22.435, 196.403 looks on a white background.

Color Contrast Check

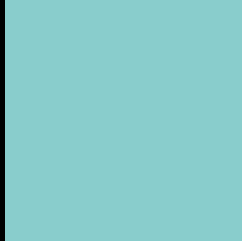
Large Text (above 18pt) WCAG AA × Fail

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, 22.435, 196.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

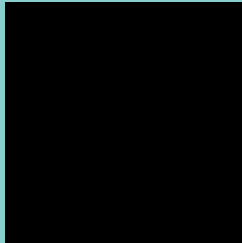
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 22.435, 196.403

Background



This preview shows how black text looks on a background with the CIELCh color 78, 22.435, 196.403.

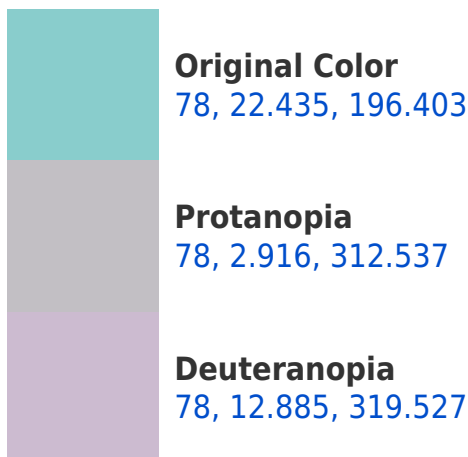


This preview shows how white text looks on a background with the CIELCh color 78, 22.435, 196.403.

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



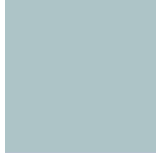


Tritanopia
78, 21.443, 223.462

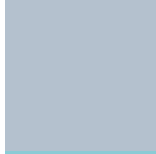
Trichromacy



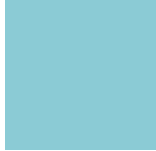
Original Color
78, 22.435, 196.403



Protanomaly
78, 8.264, 210.124



Deuteranomaly
77, 8.248, 257.147

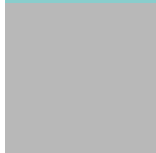


Tritanomaly
78, 21.185, 212.753

Monochromacy



Original Color
78, 22.435, 196.403



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 8.965, 195.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 22.435, 196.403 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(137, 205, 204)` looks like.

```
.text, #text, p{  
    color:rgb(137, 205, 204)  
}
```

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(137, 205, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 205, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 22.435, 196.403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

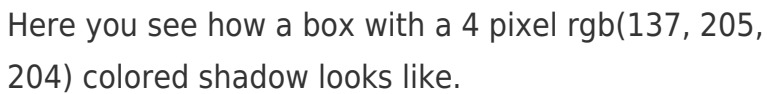
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 205, 204) }
```

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

```
.border{ border-color:rgb(137, 205, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 205, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 205, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 205, 204);  
box-shadow:4px 4px 4px 4px rgb(137, 205,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 22.435, 196.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 205, 204) }
```

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

```
.background{ background-color: rgb(137,  
205, 204) }
```

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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