

Converting Colors

CIELCh(78, 21.230, 197.875)

Have a look what the booklet for
CIELCh(78, 21.230, 197.875)
contains.

CIELCh(78, 21.216, 197.870)	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, 21.216, 197.870)

Conversions

Conversions Part 1

Format	Color
Hex	8CCCCC
RGB	140, 204, 204
RGB Percent	55%, 80%, 80%
CMY	0.4504, 0.1994, 0.1994
CMYK	0.31, 0.00, 0.00, 0.20
HSL	180°, 39%, 68%
HSV	180°, 31%, 80%
XYZ	43.3853, 53.2120, 65.2053
YIQ	184.8640, -38.1440, -13.5680

Conversions

Conversions Part 2

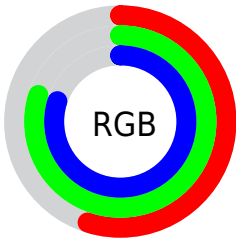
Format	Color
RYB	140, 172, 204
Decimal	9227468
CIELab	78.00, -20.19, -6.51
CIElCh	78, 21.216, 197.870
Yxy	53.2120, 0.2681, 0.3289
Android (android.graphics.Color)	4287417548 (0xFF8CCCCC)
YUV	184.8640, 9.4340, -39.3457
Hunter-Lab	72.9466, -21.4927, -1.9354

Details

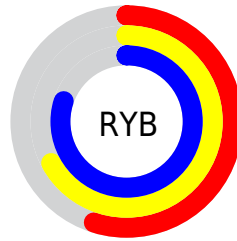
The CIELCh color **78, 21.216, 197.870** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 26.300, 22.065**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.314, 198.231**, and **58, 21.461, 197.456** is the 20% darker color. If you saturate the color by 10%, you get **77, 26.783, 197.465**, and if you desaturate by 10%, it is **79, 14.985, 198.328**.

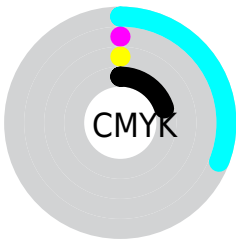
Distribution



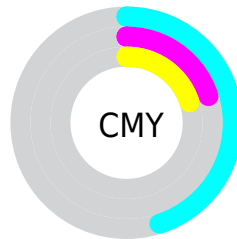
- Red (55%)
- Green (80%)
- Blue (80%)



- Red (55%)
- Yellow (67%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (45%)
- Magenta (20%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 21.216, 197.870 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, 21.216, 197.870 by changing the saturation by 10% instead.


 78, 21.216,
197.870


 78, 21.216,
197.870


 100, 21.216,
197.870


 68, 21.216,
197.870


 98, 21.216,
197.870

 58, 21.216,
197.870

 48, 21.216,
197.870

 38, 21.216,
197.870

 28, 21.216,
197.870

 18, 21.216,
197.870

 8, 21.216, 197.870

0, 21.216, 197.870

78, 21.216,
197.870

78, 21.216,
197.870

77, 26.783,
197.465

79, 14.985,
198.328

76, 31.575,
197.126

80, 8.207, 198.857

76, 35.504,
196.852

82, 1.000, 199.887

84, 6.527, 19.811

75, 38.518,
196.644

85, 14.278, 20.452

75, 40.612,
196.501

86, 19.206, 20.842

86, 19.206, 20.841

75, 41.843,
196.417

86, 19.206, 20.839

■ 75, 42.384,
196.380

■ 86, 19.206, 20.838

Harmonies

Complementary

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



78, 21.216, 197.870



65, 26.300, 22.065

Rectangle

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



78, 21.216, 197.870



78, 21.216, 247.870



78, 21.216, 17.870



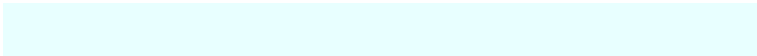
78, 21.216, 67.870

Sweetspot

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



78, 21.216, 197.867



98, 7.839, 198.990



77, 41.558, 141.845



52, 5.426, 198.902



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, 21.216, 197.867



94, 29.877, 197.573



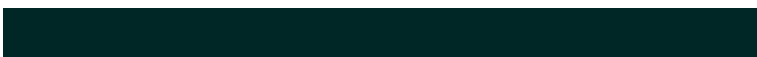
69, 19.777, 258.508



42, 4.119, 198.973



62, 36.302, 196.380



13, 13.514, 196.381

Inverse Universe

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



65, 26.300, 22.065



75, 39.161, 23.057



72, 21.772, 69.787



40, 4.369, 19.922



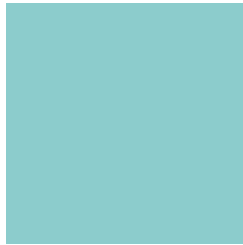
34, 75.552, 39.821



4, 17.910, 19.403

Previews

White Background



This preview shows how the CIE LCh color 78, 21.216, 197.870 looks on a white background.

Color Contrast Check

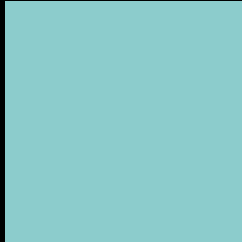
Large Text (above 18pt) WCAG AA × Fail

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, 21.216, 197.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

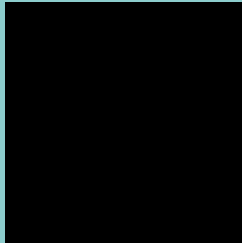
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

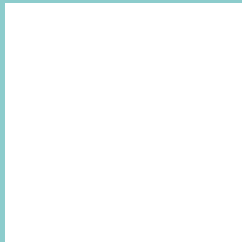
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 21.216, 197.870

Background



This preview shows how black text looks on a background with the CIELCh color 78, 21.216, 197.870.

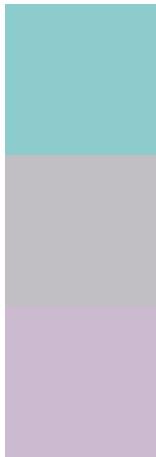


This preview shows how white text looks on a background with the CIELCh color 78, 21.216, 197.870.

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](#).

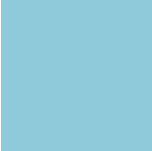
Dichromacy



Original Color
78, 21.216, 197.870

Protanopia
78, 2.916, 312.537

Deuteranopia
78, 12.885, 319.527



Tritanopia
78, 20.525, 223.041

Trichromacy



Original Color
78, 21.216, 197.870

Protanomaly
78, 7.928, 210.633

Deuteranomaly
78, 8.525, 261.216

Tritanomaly
78, 20.365, 213.412

Monochromacy



Original Color
78, 21.216, 197.870

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 8.226, 198.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 21.216, 197.870 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(140, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(140, 204, 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(140, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 204, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 21.216, 197.870 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(140, 204, 204) }
```

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

```
.border{ border-color:rgb(140, 204, 204) }
```

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

Here you see how a box with a 4 pixel rgb(140, 204, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(140, 204,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 21.216, 197.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 204, 204) }
```

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

```
.background{ background-color: rgb(140,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor