

Converting Colors

CIELCh(80, 18.716, 197.993)

Have a look what the booklet for
CIELCh(80, 18.716, 197.993)
contains.

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Color

CIELCh(80, 18.509, 198.088)

Conversions

Conversions Part 1

Format	Color
Hex	99D0D0
RGB	153, 208, 208
RGB Percent	60%, 82%, 82%
CMY	0.3985, 0.1828, 0.1828
CMYK	0.26, 0.00, 0.00, 0.18
HSL	180°, 37%, 71%
HSV	180°, 26%, 82%
XYZ	47.2898, 56.6813, 68.3703
YIQ	191.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

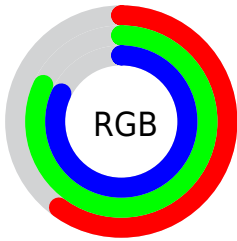
Format	Color
RYB	153, 181, 208
Decimal	10080464
CIELab	80.00, -17.59, -5.75
CIELCh	80, 18.509, 198.088
Yxy	56.6813, 0.2744, 0.3289
Android (android.graphics.Color)	4288270544 (0xFF99D0D0)
YUV	191.5550, 8.1074, -33.8127
Hunter-Lab	75.2870, -19.6314, -1.1421

Details

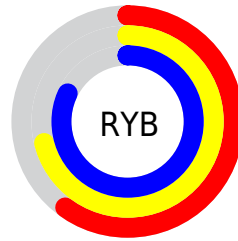
The CIELCh color **80, 18.509, 198.088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 22.109, 21.481**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **60, 18.629, 197.744** is the 20% darker color. If you saturate the color by 10%, you get **79, 24.517, 197.652**, and if you desaturate by 10%, it is **81, 11.884, 198.577**.

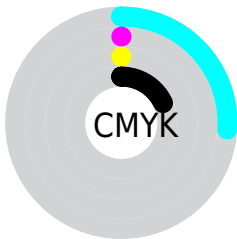
Distribution



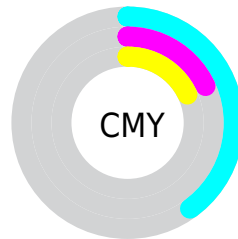
- Red (60%)
- Green (82%)
- Blue (82%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (40%)
- Magenta (18%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 18.509, 198.088 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 80, 18.509, 198.088 by changing the saturation by 10% instead.


 80, 18.509,
198.088


 80, 18.509,
198.088


 100, 18.509,
198.088


 70, 18.509,
198.088


 60, 18.509,
198.088

 50, 18.509,
198.088

 40, 18.509,
198.088

 30, 18.509,
198.088

 20, 18.509,
198.088

 10, 18.509,

198.088

0, 18.509, 198.088

80, 18.509,
198.088

80, 18.509,
198.088

79, 24.517,
197.652

81, 11.884,
198.577

78, 29.788,
197.281

83, 4.762, 199.168

84, 2.740, 19.396

77, 34.222,
196.974

86, 10.518, 20.133

77, 37.744,
196.734

88, 17.492, 20.683

76, 40.325,
196.559

88, 17.492, 20.681

88, 17.492, 20.679

■ 76, 41.990,
196.447

■ 88, 17.492, 20.676

■ 76, 42.838,
196.390

■ 88, 17.492, 20.674

■ 76, 43.041,
196.376

Harmonies

Complementary

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



80, 18.509, 198.088



69, 22.109, 21.481

Rectangle

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



80, 18.509, 198.088



80, 18.509, 248.088



80, 18.509, 18.088



80, 18.509, 68.088

Sweetspot

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



80, 18.510, 198.084



99, 6.985, 199.052



79, 35.626, 142.257



52, 4.945, 198.957



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 18.510, 198.084



95, 25.828, 197.818



73, 17.006, 257.554



43, 4.203, 198.969



62, 36.714, 196.376



14, 14.039, 196.378

Inverse Universe

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



69, 22.109, 21.481



79, 32.279, 22.199



75, 18.411, 70.385



41, 4.460, 19.922



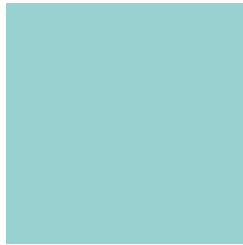
35, 76.452, 39.861



4, 20.018, 19.463

Previews

White Background



This preview shows how the CIE LCh color 80, 18.509, 198.088 looks on a white background.

Color Contrast Check

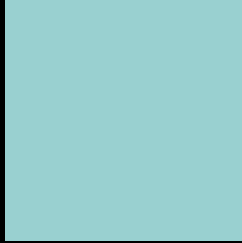
Large Text (above 18pt) WCAG AA × Fail

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 80, 18.509, 198.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

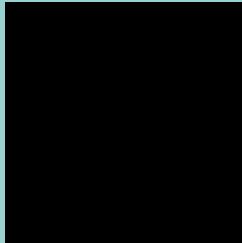
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

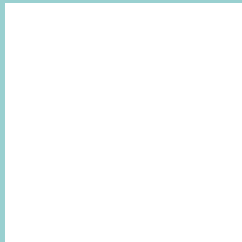
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 18.509, 198.088

Background



This preview shows how black text looks on a background with the CIELCh color 80, 18.509, 198.088.



This preview shows how white text looks on a background with the CIELCh color 80, 18.509, 198.088.

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
80, 18.509, 198.088

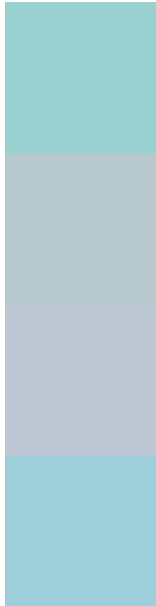
Protanopia
80, 2.416, 317.298

Deuteranopia
80, 12.546, 322.152



Tritanopia
80, 18.108, 228.634

Trichromacy



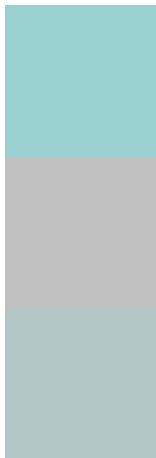
Original Color
80, 18.509, 198.088

Protanomaly
80, 6.555, 213.181

Deuteranomaly
80, 7.564, 266.025

Tritanomaly
80, 17.642, 217.825

Monochromacy



Original Color
80, 18.509, 198.088

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 7.147, 198.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 18.509, 198.088 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(153, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(153, 208, 208)  
}
```

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(153, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 208, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 18.509, 198.088 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(153, 208, 208) }
```

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

```
.border{ border-color:rgb(153, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(153, 208,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 18.509, 198.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 208, 208) }
```

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

```
.background{ background-color: rgb(153,  
208, 208) }
```

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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