

Converting Colors

CIELCh(80, 17.345, 220.118)

Have a look what the booklet for
CIELCh(80, 17.345, 220.118)
contains.

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Color

CIELCh(80, 17.490, 219.907)

Conversions

Conversions Part 1

Format	Color
Hex	9DCFDB
RGB	157, 207, 219
RGB Percent	62%, 81%, 86%
CMY	0.3857, 0.1896, 0.1426
CMYK	0.28, 0.05, 0.00, 0.14
HSL	192°, 46%, 74%
HSV	192°, 28%, 86%
XYZ	48.8017, 56.6813, 75.1378
YIQ	193.4180, -33.6520, -6.8680

Conversions

Conversions Part 2

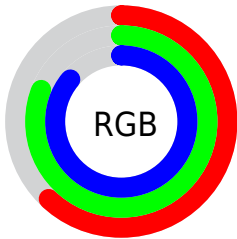
Format	Color
RYB	157, 185, 219
Decimal	10342363
CIELab	80.00, -13.42, -11.22
CIElCh	80, 17.490, 219.907
Yxy	56.6813, 0.2702, 0.3138
Android (android.graphics.Color)	4288532443 (0xFF9DCFDB)
YUV	193.4180, 12.6119, -31.9386
Hunter-Lab	75.2870, -16.0469, -6.4717

Details

The CIELCh color `80, 17.490, 219.907` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `73, 21.275, 38.545`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 14.050, 198.569`, and `60, 17.427, 219.090` is the 20% darker color. If you saturate the color by 10%, you get `78, 22.734, 220.682`, and if you desaturate by 10%, it is `82, 11.703, 219.360`.

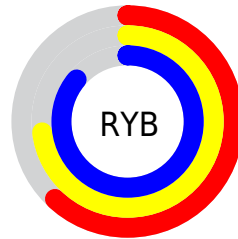
Distribution



Red (62%)

Green (81%)

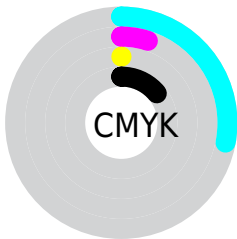
Blue (86%)



Red (62%)

Yellow (73%)

Blue (86%)

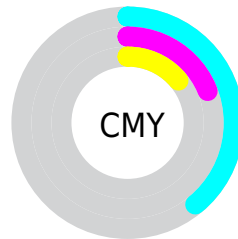


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (14%)



Cyan (39%)


Magenta (19%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 17.490, 219.907 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, 17.490, 219.907 by changing the saturation by 10% instead.


 80, 17.490,
219.907


 80, 17.490,
219.907


 100, 17.490,
219.907


 70, 17.490,
219.907


 60, 17.490,
219.907

 50, 17.490,
219.907

 40, 17.490,
219.907

 30, 17.490,
219.907

 20, 17.490,
219.907

 10, 17.490,

219.907

0, 17.490, 219.907

80, 17.490,
219.907

80, 17.490,
219.907

78, 22.734,
220.682

82, 11.703,
219.360

75, 27.335,
221.752

85, 5.475, 219.037

73, 31.201,
223.181

88, 1.103, 38.163

91, 7.947, 38.487

72, 34.269,
225.048

92, 11.110, 44.992

70, 36.522,
227.437

93, 10.929, 58.658

95, 11.375, 71.963

■ 68, 38.012,
230.421

■ 96, 12.377, 83.644

■ 67, 38.904,
234.003

■ 97, 13.809, 93.198

■ 67, 39.039,
234.613

Harmonies

Complementary

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



80, 17.490, 219.907



73, 21.275, 38.545

Rectangle

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



80, 17.490, 219.907



80, 17.490, 269.907



80, 17.490, 39.907



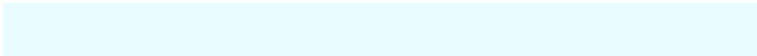
80, 17.490, 89.907

Sweetspot

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



80, 17.490, 219.902



97, 6.672, 219.051



82, 35.157, 147.843



51, 4.619, 219.085



0, 0.000, 0.000



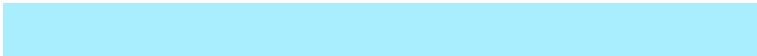
53, 0.007, 296.813

Same Dimension

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



80, 17.490, 219.902



90, 23.226, 220.334



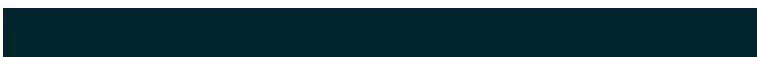
72, 23.735, 276.727



45, 3.720, 219.059



54, 32.796, 233.951



13, 13.097, 226.709

Inverse Universe

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



72, 35.038, 332.106



79, 47.478, 332.510



81, 23.749, 88.817



43, 6.996, 330.858



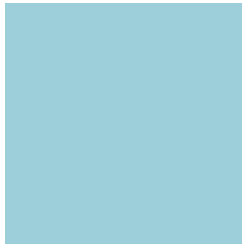
39, 74.523, 337.709



6, 30.157, 335.745

Previews

White Background



This preview shows how the CIE LCh color 80, 17.490, 219.907 looks on a white background.

Color Contrast Check

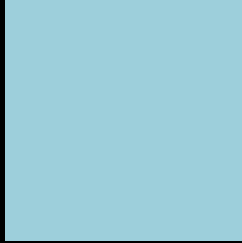
Large Text (above 18pt) WCAG AA × Fail

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, 17.490, 219.907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

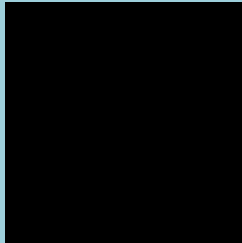
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 17.490, 219.907

Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.490, 219.907.

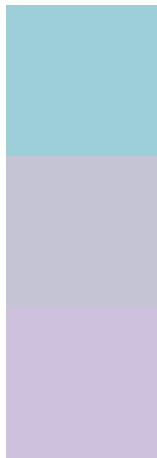


This preview shows how white text looks on a background with the CIELCh color 80, 17.490, 219.907.

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, 17.490, 219.907

Protanopia

80, 8.554, 293.326

Deuteranopia

80, 16.206, 307.867



Tritanopia
80, 17.851, 229.129

Trichromacy



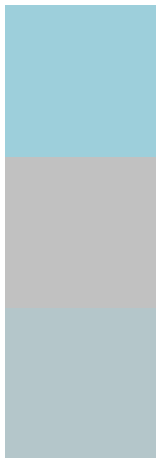
Original Color
80, 17.490, 219.907

Protanomaly
80, 9.607, 250.303

Deuteranomaly
80, 12.657, 275.497

Tritanomaly
80, 17.444, 225.860

Monochromacy



Original Color
80, 17.490, 219.907

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 6.696, 217.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 17.490, 219.907 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(157, 207, 219)` looks like.

```
.text, #text, p{  
    color:rgb(157, 207, 219)  
}
```

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(157, 207, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 207, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 17.490, 219.907 is called "border". The border property can be set on classes, ids or directly on the HTML element.

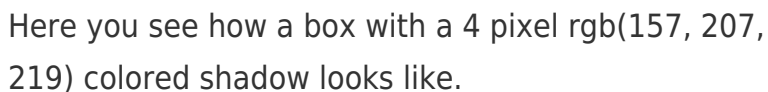
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 207, 219) }
```

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

```
.border{ border-color:rgb(157, 207, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 207, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 207, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 207, 219);  
box-shadow:4px 4px 4px 4px rgb(157, 207,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 17.490, 219.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 207, 219) }
```

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

```
.background{ background-color: rgb(157,  
207, 219) }
```

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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