

Converting Colors

CIELCh(80, 21.509, 193.495)

Have a look what the booklet for
CIELCh(80, 21.509, 193.495)
contains.

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Color

CIELCh(80, 21.432, 193.566)

Conversions

Conversions Part 1

Format	Color
Hex	92D2CF
RGB	146, 210, 207
RGB Percent	57%, 82%, 81%
CMY	0.4276, 0.1766, 0.1884
CMYK	0.30, 0.00, 0.01, 0.18
HSL	177°, 42%, 70%
HSV	177°, 30%, 82%
XYZ	46.1392, 56.6813, 67.5123
YIQ	190.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

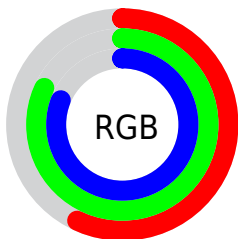
Format	Color
RYB	146, 179, 210
Decimal	9622223
CIELab	80.00, -20.83, -5.03
CIElCh	80, 21.432, 193.566
Yxy	56.6813, 0.2709, 0.3328
Android (android.graphics.Color)	4287812303 (0xFF92D2CF)
YUV	190.5220, 8.1237, -39.0458
Hunter-Lab	75.2870, -22.3594, -0.4664

Details

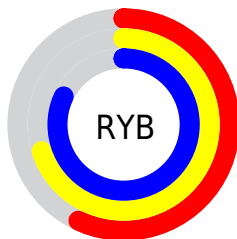
The CIELCh color **80, 21.432, 193.566** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 25.916, 18.389**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **60, 21.394, 194.439** is the 20% darker color. If you saturate the color by 10%, you get **79, 27.350, 192.944**, and if you desaturate by 10%, it is **81, 14.880, 194.204**.

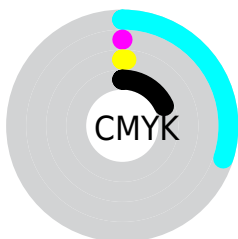
Distribution



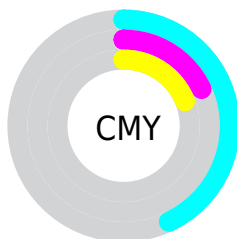
- Red (57%)
- Green (82%)
- Blue (81%)



- Red (57%)
- Yellow (70%)
- Blue (82%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (43%)
- Magenta (18%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.432, 193.566 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, 21.432, 193.566 by changing the saturation by 10% instead.


 80, 21.432,
193.566


 80, 21.432,
193.566


 100, 21.432,
193.566


 70, 21.432,
193.566

 60, 21.432,
193.566

 50, 21.432,
193.566

 40, 21.432,
193.566

 30, 21.432,
193.566

 20, 21.432,
193.566

 10, 21.432,

193.566

0, 21.432, 193.566

80, 21.432,
193.566

80, 21.432,
193.566

79, 27.350,
192.944

81, 14.880,
194.204

78, 32.513,
192.344

83, 7.817, 194.886

77, 36.819,
191.758

84, 0.365, 197.024

86, 7.366, 16.070

77, 40.203,
191.176

88, 15.282, 16.790

77, 42.645,
190.590

88, 16.834, 15.529

88, 16.857, 13.802

■ 76, 44.189,
189.985

■ 88, 16.896, 12.082

■ 88, 16.950, 10.371

■ 76, 45.010,
189.388

Harmonies

Complementary

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



80, 21.432, 193.566



67, 25.916, 18.389

Rectangle

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



80, 21.432, 193.566



80, 21.432, 243.566



80, 21.432, 13.566



80, 21.432, 63.566

Sweetspot

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



80, 21.433, 193.563



98, 7.883, 194.987



79, 40.911, 141.117



52, 5.459, 194.879



0, 0.000, 0.000



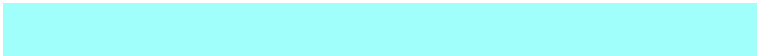
53, 0.007, 296.813

Same Dimension

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



80, 21.433, 193.563



94, 29.652, 193.132



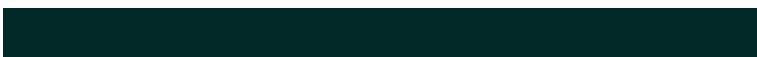
72, 19.102, 254.415



43, 4.228, 194.964



62, 38.152, 189.490



14, 14.469, 190.786

Inverse Universe

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



67, 25.916, 18.389



76, 37.655, 19.398



74, 21.353, 66.319



41, 4.463, 16.130



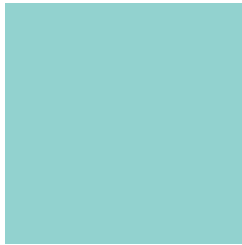
35, 74.523, 37.931



4, 20.021, 17.279

Previews

White Background



This preview shows how the CIE LCh color 80, 21.432, 193.566 looks on a white background.

Color Contrast Check

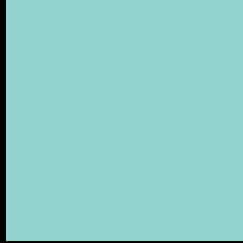
Large Text (above 18pt) WCAG AA × Fail

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, 21.432, 193.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

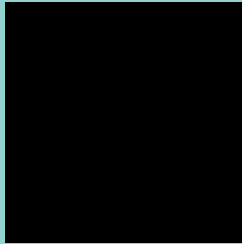
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

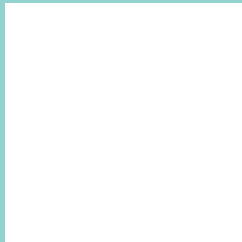
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 21.432, 193.566

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.432, 193.566.

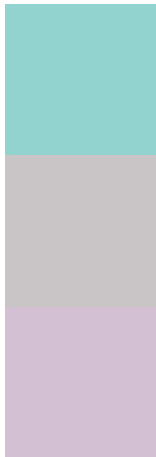


This preview shows how white text looks on a background with the CIELCh color 80, 21.432, 193.566.

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, 21.432, 193.566

Protanopia
80, 1.828, 343.589

Deuteranopia
80, 12.297, 324.912



Tritanopia
80, 20.150, 225.167

Trichromacy



Original Color
80, 21.432, 193.566

Protanomaly
80, 7.470, 198.917

Deuteranomaly
80, 7.154, 254.495

Tritanomaly
80, 19.783, 213.858

Monochromacy



Original Color
80, 21.432, 193.566

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 8.240, 195.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.432, 193.566 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(146, 210, 207)` looks like.

```
.text, #text, p{  
    color:rgb(146, 210, 207)  
}
```

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(146, 210, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 210, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.432, 193.566 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(146, 210, 207) }
```

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

```
.border{ border-color:rgb(146, 210, 207) }
```

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

Here you see how a box with a 4 pixel rgb(146, 210, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 210, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 210, 207);  
box-shadow:4px 4px 4px 4px rgb(146, 210,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.432, 193.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 210, 207) }
```

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

```
.background{ background-color: rgb(146,  
210, 207) }
```

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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