

Converting Colors

CIELCh(76, 21.456, 198.096)

Have a look what the booklet for
CIELCh(76, 21.456, 198.096)
contains.

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Color

CIELCh(76, 21.539, 197.817)

Conversions

Conversions Part 1

Format	Color
Hex	86C7C7
RGB	134, 199, 199
RGB Percent	53%, 78%, 78%
CMY	0.4755, 0.2206, 0.2206
CMYK	0.33, 0.00, 0.00, 0.22
HSL	180°, 37%, 65%
HSV	180°, 33%, 78%
XYZ	40.4344, 49.8872, 61.3745
YIQ	179.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

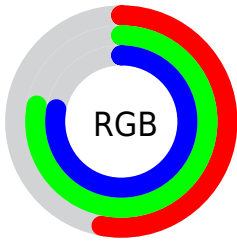
Format	Color
RYB	134, 167, 199
Decimal	8832967
CIELab	76.00, -20.51, -6.59
CIELCh	76, 21.539, 197.817
Yxy	49.8872, 0.2665, 0.3289
Android (android.graphics.Color)	4287023047 (0xFF86C7C7)
YUV	179.5650, 9.5815, -39.9605
Hunter-Lab	70.6309, -21.4175, -2.0782

Details

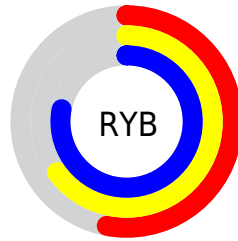
The CIELCh color **76, 21.539, 197.817** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 26.968, 22.233**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **56, 21.457, 197.408** is the 20% darker color. If you saturate the color by 10%, you get **75, 26.894, 197.421**, and if you desaturate by 10%, it is **77, 15.520, 198.267**.

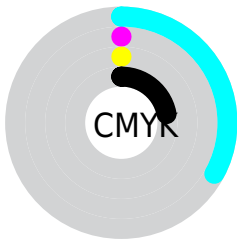
Distribution



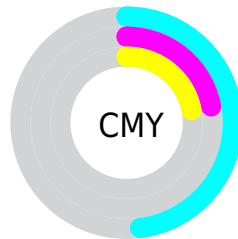
- Red (53%)
- Green (78%)
- Blue (78%)



- Red (53%)
- Yellow (65%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (48%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 21.539, 197.817 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 76, 21.539, 197.817 by changing the saturation by 10% instead.


 76, 21.539,
197.817


 76, 21.539,
197.817


 100, 21.539,
197.817


 66, 21.539,
197.817


 96, 21.539,
197.817

 56, 21.539,
197.817

 46, 21.539,
197.817

 36, 21.539,
197.817

 26, 21.539,
197.817

 16, 21.539,
197.817

 6, 21.539, 197.817

■ 0, 21.539, 197.817

■ 76, 21.539,
197.817

■ 76, 21.539,
197.817

■ 75, 26.894,
197.421

■ 77, 15.520,
198.267

■ 74, 31.480,
197.090

■ 78, 8.953, 198.784

■ 74, 35.214,
196.825

■ 80, 1.951, 199.536

■ 81, 5.377, 19.717

■ 73, 38.051,
196.626

■ 83, 12.935, 20.367

■ 73, 39.993,
196.491

■ 85, 20.645, 20.991

■ 85, 21.427, 21.054

■ 73, 41.102,
196.414

■ 85, 21.427, 21.053

■ 73, 41.540,
196.384

■ 85, 21.427, 21.053

Harmonies

Complementary

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



76, 21.539, 197.817



62, 26.968, 22.233

Rectangle

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



76, 21.539, 197.817



76, 21.539, 247.817



76, 21.539, 17.817



76, 21.539, 67.817

Sweetspot

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



76, 21.539, 197.814



98, 8.687, 198.931



75, 42.388, 141.732



52, 5.905, 198.848



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 21.539, 197.814



94, 30.520, 197.537



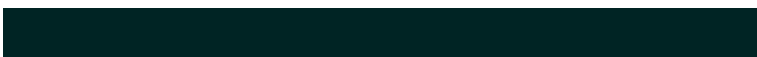
67, 20.160, 258.773



41, 4.034, 198.977



61, 35.889, 196.384



12, 12.984, 196.385

Inverse Universe

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



62, 26.968, 22.233



74, 40.330, 23.215



70, 22.292, 69.629



39, 4.279, 19.921



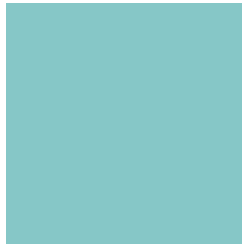
34, 74.644, 39.776



3, 15.885, 19.404

Previews

White Background



This preview shows how the CIELCh color 76, 21.539, 197.817 looks on a white background.

Color Contrast Check

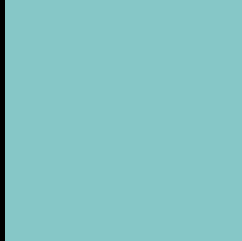
Large Text (above 18pt) WCAG AA × Fail

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 76, 21.539, 197.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

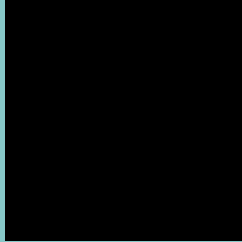
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

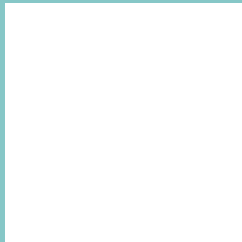
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 21.539, 197.817

Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.539, 197.817.

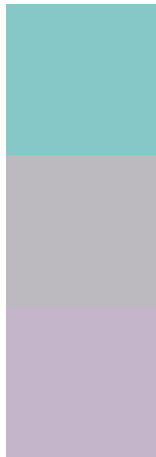


This preview shows how white text looks on a background with the CIELCh color 76, 21.539, 197.817.

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

76, 21.539, 197.817

Protanopia

76, 2.930, 312.541

Deuteranopia

76, 12.790, 318.089



Tritanopia
76, 20.660, 221.301

Trichromacy



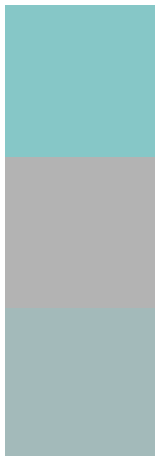
Original Color
76, 21.539, 197.817

Protanomaly
76, 7.959, 210.631

Deuteranomaly
75, 8.739, 259.260

Tritanomaly
76, 20.604, 211.693

Monochromacy



Original Color
76, 21.539, 197.817

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 8.266, 198.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 21.539, 197.817 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(134, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(134, 199, 199)  
}
```

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(134, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 199, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 21.539, 197.817 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(134, 199, 199) }
```

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

```
.border{ border-color:rgb(134, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(134, 199,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 21.539, 197.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 199, 199) }
```

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

```
.background{ background-color: rgb(134,  
199, 199) }
```

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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