

Converting Colors

CIELCh(80, 38.846, 198.760)

Have a look what the booklet for
CIELCh(80, 38.846, 198.760)
contains.

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Color

CIELCh(80, 38.899, 198.352)

Conversions

Conversions Part 1

Format	Color
Hex	49DADC
RGB	73, 218, 220
RGB Percent	29%, 85%, 86%
CMY	0.7141, 0.1454, 0.1375
CMYK	0.67, 0.01, 0.00, 0.14
HSL	181°, 68%, 57%
HSV	181°, 67%, 86%
XYZ	40.7016, 56.6813, 76.4552
YIQ	174.8730, -87.0620, -30.1180

Conversions

Conversions Part 2

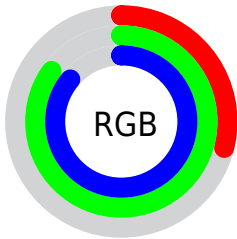
Format	Color
RYB	73, 146, 220
Decimal	4840156
CIELab	80.00, -36.92, -12.25
CIElCh	80, 38.899, 198.352
Yxy	56.6813, 0.2341, 0.3261
Android (android.graphics.Color)	4283030236 (0xFF49DADC)
YUV	174.8730, 22.2476, -89.3426
Hunter-Lab	75.2870, -35.2516, -7.5091

Details

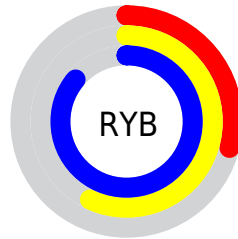
The CIELCh color **80, 38.899, 198.352** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 65.160, 30.148**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **60, 35.271, 199.233** is the 20% darker color. If you saturate the color by 10%, you get **80, 41.453, 198.311**, and if you desaturate by 10%, it is **81, 35.359, 198.478**.

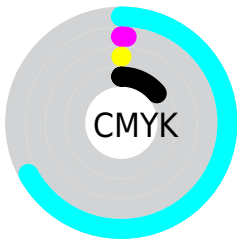
Distribution



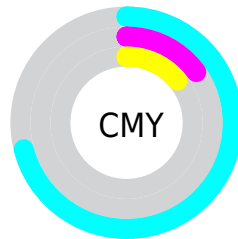
- Red (29%)
- Green (85%)
- Blue (86%)



- Red (29%)
- Yellow (57%)
- Blue (86%)



- Cyan (67%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)





- Cyan (71%)
- Magenta (15%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 38.899, 198.352 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, 38.899, 198.352 by changing the saturation by 10% instead.


 80, 38.899,
198.352


 80, 38.899,
198.352


 100, 38.899,
198.352


 70, 38.899,
198.352


 60, 38.899,
198.352

 50, 38.899,
198.352

 40, 38.899,
198.352

 30, 38.899,
198.352

 20, 38.899,
198.352

 10, 38.899,

198.352

■ 0, 38.899, 198.352

■ 80, 38.899,
198.352

■ 80, 38.899,
198.352

■ 80, 41.453,
198.311

■ 81, 35.359,
198.478

■ 79, 43.052,
198.360

■ 81, 30.865,
198.691

■ 79, 43.802,
198.492

■ 82, 25.493,
198.983

■ 79, 43.950,
198.542

■ 84, 19.350,
199.349

■ 85, 12.558,
199.784

■ 87, 5.245, 200.321

■ 88, 2.470, 20.479

■ 90, 10.478, 21.207

■ 91, 12.678, 21.873

Harmonies

Complementary

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



80, 38.899, 198.352



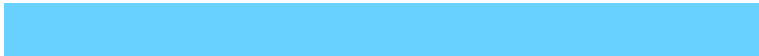
53, 65.160, 30.148

Rectangle

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



80, 38.899, 198.352



80, 38.899, 248.352



80, 38.899, 18.352



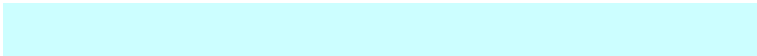
80, 38.899, 68.352

Sweetspot

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



80, 38.899, 198.351



96, 16.636, 199.632



78, 88.420, 138.430



51, 11.243, 199.508



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, 38.899, 198.351



91, 47.159, 198.320



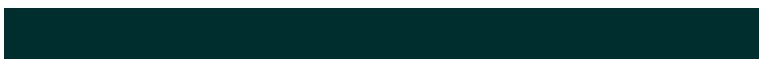
59, 44.196, 270.431



45, 4.311, 200.164



63, 36.817, 198.508



16, 14.835, 198.136

Inverse Universe

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



57, 86.267, 328.111



62, 107.668, 328.497



67, 53.498, 66.894



43, 7.928, 325.303



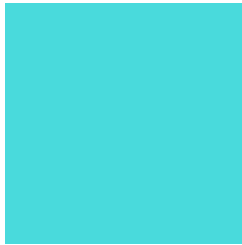
41, 85.638, 328.776



7, 34.233, 328.619

Previews

White Background



This preview shows how the CIELCh color 80, 38.899, 198.352 looks on a white background.

Color Contrast Check

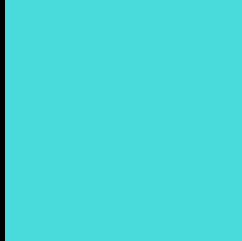
Large Text (above 18pt) WCAG AA × Fail

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, 38.899, 198.352 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, 38.899, 198.352

Background



This preview shows how black text looks on a background with the CIELCh color 80, 38.899, 198.352.

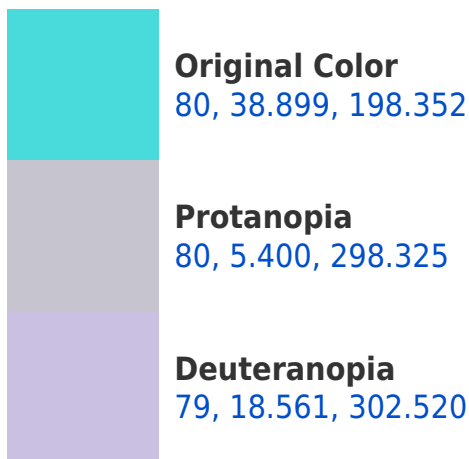


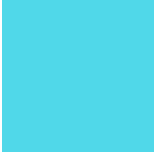
This preview shows how white text looks on a background with the CIELCh color 80, 38.899, 198.352.

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



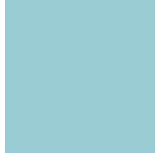


Tritanopia
80, 36.697, 211.527

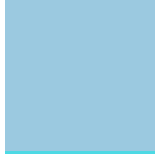
Trichromacy



Original Color
80, 38.899, 198.352



Protanomaly
79, 17.313, 210.794



Deuteranomaly
79, 18.968, 239.272

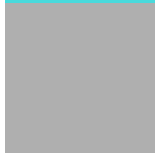


Tritanomaly
80, 37.431, 206.053

Monochromacy



Original Color
80, 38.899, 198.352



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 18.046, 198.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 38.899, 198.352 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(73, 218, 220)` looks like.

```
.text, #text, p{  
    color:rgb(73, 218, 220)  
}
```

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(73, 218, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 218, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 38.899, 198.352 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(73, 218, 220) }
```

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

```
.border{ border-color:rgb(73, 218, 220) }
```

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

Here you see how a box with a 4 pixel rgb(73, 218, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 218, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 218, 220);  
box-shadow:4px 4px 4px 4px rgb(73, 218,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 38.899, 198.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 218, 220) }
```

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

```
.background{ background-color: rgb(73, 218,  
220) }
```

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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