

Converting Colors

CIELCh(82, 40.728, 198.342)

Have a look what the booklet for
CIELCh(82, 40.728, 198.342)
contains.

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Color

CIELCh(82, 40.573, 198.989)

Conversions

Conversions Part 1

Format	Color
Hex	44E0E3
RGB	68, 224, 227
RGB Percent	27%, 88%, 89%
CMY	0.7314, 0.1203, 0.1085
CMYK	0.70, 0.01, 0.00, 0.11
HSL	181°, 74%, 58%
HSV	181°, 70%, 89%
XYZ	43.0712, 60.2982, 82.2777
YIQ	177.6980, -93.9390, -32.1390

Conversions

Conversions Part 2

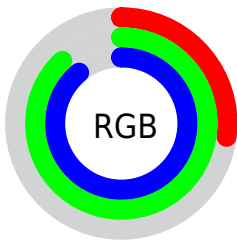
Format	Color
R _{YB}	68, 147, 227
Decimal	4514019
CIE Lab	82.00, -38.37, -13.20
CIE LCh	82, 40.573, 198.989
Yxy	60.2982, 0.2320, 0.3248
Android (android.graphics.Color)	4282704099 (0xFF44E0E3)
YUV	177.6980, 24.3059, -96.2051
Hunter-Lab	77.6519, -36.8821, -8.4656

Details

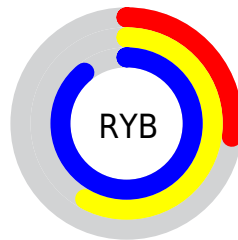
The CIELCh color **82, 40.573, 198.989** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 70.073, 31.338**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.696, 197.287**, and **62, 36.119, 200.069** is the 20% darker color. If you saturate the color by 10%, you get **82, 42.851, 199.033**, and if you desaturate by 10%, it is **83, 37.283, 199.041**.

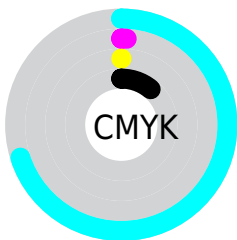
Distribution



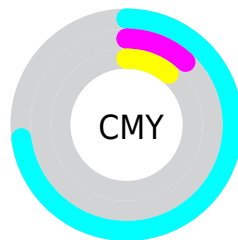
- Red (27%)
- Green (88%)
- Blue (89%)



- Red (27%)
- Yellow (58%)
- Blue (89%)



- Cyan (70%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)





- Cyan (73%)
- Magenta (12%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 40.573, 198.989 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 82, 40.573, 198.989 by changing the saturation by 10% instead.


 82, 40.573,
198.989


 82, 40.573,
198.989


 100, 40.573,
198.989


 72, 40.573,
198.989

 62, 40.573,
198.989

 52, 40.573,
198.989

 42, 40.573,
198.989

 32, 40.573,
198.989

 22, 40.573,
198.989

 12, 40.573,

198.989

■ 2, 40.573, 198.989

■ 0, 40.573, 198.989

■ 82, 40.573,
198.989

■ 82, 40.573,
198.989

■ 82, 42.851,
199.033

■ 83, 37.283,
199.041

■ 81, 44.169,
199.177

■ 83, 32.998,
199.190

■ 81, 44.721,
199.406

■ 85, 27.783,
199.426

■ 81, 44.727,
199.409

■ 86, 21.740,
199.743

■ 87, 14.992,

200.135

 89, 7.670, 200.610

 90, 0.101, 14.991

 92, 8.205, 21.460

 93, 9.778, 22.614

Harmonies

Complementary

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



82, 40.573, 198.989



53, 70.073, 31.338

Rectangle

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



82, 40.573, 198.989



82, 40.573, 248.989



82, 40.573, 18.989



82, 40.573, 68.989

Sweetspot

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



82, 40.573, 198.988



96, 17.316, 200.081



80, 92.920, 138.434



51, 11.609, 199.968



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 40.573, 198.988



90, 47.532, 199.088



59, 48.591, 273.409



47, 4.450, 200.632



65, 37.343, 199.360



18, 15.733, 198.891

Inverse Universe

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



58, 90.904, 328.386



61, 109.473, 328.771



69, 57.712, 67.985



45, 8.201, 325.449



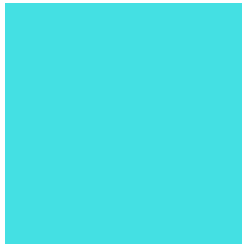
42, 87.136, 328.993



8, 36.649, 328.874

Previews

White Background



This preview shows how the CIE LCh color 82, 40.573, 198.989 looks on a white background.

Color Contrast Check

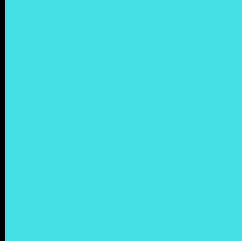
Large Text (above 18pt) WCAG AA × Fail

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 82, 40.573, 198.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

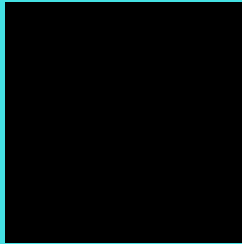
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 40.573, 198.989

Background



This preview shows how black text looks on a background with the CIELCh color 82, 40.573, 198.989.

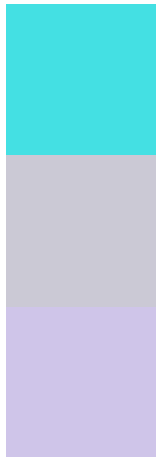


This preview shows how white text looks on a background with the CIELCh color 82, 40.573, 198.989.

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

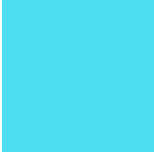
82, 40.573, 198.989

Protanopia

81, 6.428, 297.121

Deuteranopia

81, 19.517, 301.963



Tritanopia
82, 38.361, 211.596

Trichromacy



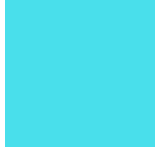
Original Color
82, 40.573, 198.989



Protanomaly
80, 18.572, 213.241



Deuteranomaly
80, 20.101, 238.232

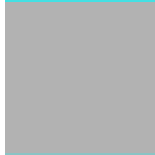


Tritanomaly
82, 39.056, 206.380

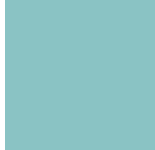
Monochromacy



Original Color
82, 40.573, 198.989



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 19.164, 199.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 40.573, 198.989 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(68, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 224, 227)  
}
```

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(68, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 224, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 40.573, 198.989 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(68, 224, 227) }
```

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

```
.border{ border-color:rgb(68, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 224,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 40.573, 198.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 224, 227) }
```

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

```
.background{ background-color: rgb(68, 224,  
227) }
```

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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