

Converting Colors

CIELCh(81, 39.793, 196.710)

Have a look what the booklet for
CIELCh(81, 39.793, 196.710)
contains.

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Color

CIELCh(81, 39.701, 196.725)

Conversions

Conversions Part 1

Format	Color
Hex	49DDDD
RGB	73, 221, 221
RGB Percent	29%, 87%, 87%
CMY	0.7127, 0.1326, 0.1326
CMYK	0.67, 0.00, 0.00, 0.13
HSL	180°, 69%, 58%
HSV	180°, 67%, 87%
XYZ	41.7503, 58.4711, 77.6246
YIQ	176.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

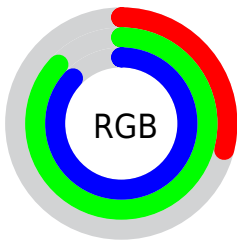
Format	Color
RYB	73, 147, 221
Decimal	4840925
CIELab	81.00, -38.02, -11.43
CIElCh	81, 39.701, 196.725
Yxy	58.4711, 0.2348, 0.3288
Android (android.graphics.Color)	4283031005 (0xFF49DDDD)
YUV	176.7480, 21.8162, -90.9870
Hunter-Lab	76.4664, -36.3559, -6.6615

Details

The CIELCh color **81, 39.701, 196.725** 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, 66.020, 29.539**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **61, 36.031, 197.312** is the 20% darker color. If you saturate the color by 10%, you get **81, 42.336, 196.554**, and if you desaturate by 10%, it is **82, 36.073, 196.960**.

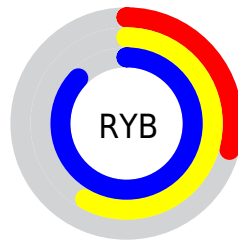
Distribution



Red (29%)

Green (87%)

Blue (87%)



Red (29%)

Yellow (58%)

Blue (87%)

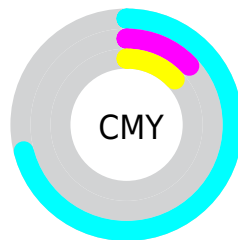


Cyan (67%)

Magenta (0%)

Yellow (0%)

Black (13%)



Cyan (71%)


Magenta (13%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 39.701, 196.725 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 81, 39.701, 196.725 by changing the saturation by 10% instead.


 81, 39.701,
196.725


 81, 39.701,
196.725


 100, 39.701,
196.725


 71, 39.701,
196.725

 61, 39.701,
196.725

 51, 39.701,
196.725

 41, 39.701,
196.725

 31, 39.701,
196.725

 21, 39.701,
196.725

 11, 39.701,

196.725

■ 1, 39.701, 196.725

■ 0, 39.701, 196.725

■ 81, 39.701,
196.725

■ 81, 39.701,
196.725

■ 81, 42.336,
196.554

■ 82, 36.073,
196.960

■ 80, 44.013,
196.446

■ 82, 31.483,
197.263

■ 80, 44.841,
196.393

■ 83, 26.003,
197.631

■ 80, 45.012,
196.382

■ 84, 19.740,
198.061

■ 86, 12.819,

198.552

■ 87, 5.368, 199.135

■ 89, 2.490, 19.341

■ 91, 10.643, 20.109

■ 91, 12.435, 20.245

Harmonies

Complementary

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



81, 39.701, 196.725



53, 66.020, 29.539

Rectangle

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



81, 39.701, 196.725



81, 39.701, 246.725



81, 39.701, 16.725



81, 39.701, 66.725

Sweetspot

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



81, 39.701, 196.724



97, 16.872, 198.384



78, 88.555, 138.182



51, 11.403, 198.244



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 39.701, 196.724



91, 47.960, 196.506



60, 43.328, 268.571



45, 4.371, 198.970



64, 37.532, 196.382



16, 15.074, 196.383

Inverse Universe

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



53, 66.020, 29.539



56, 89.247, 34.269



67, 53.728, 65.321



43, 4.639, 19.929



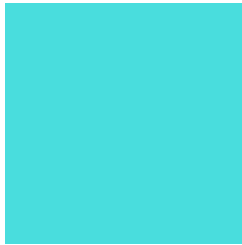
36, 78.234, 39.927



5, 23.840, 20.267

Previews

White Background



This preview shows how the CIELCh color 81, 39.701, 196.725 looks on a white background.

Color Contrast Check

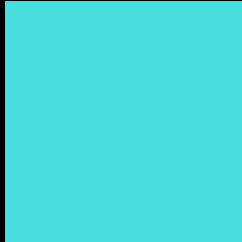
Large Text (above 18pt) WCAG AA × Fail

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 81, 39.701, 196.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

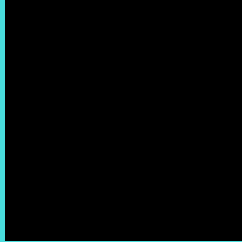
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 39.701, 196.725

Background



This preview shows how black text looks on a background with the CIELCh color 81, 39.701, 196.725.

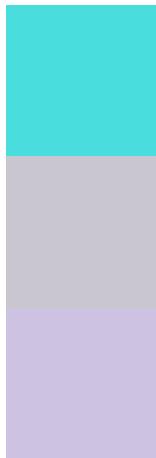


This preview shows how white text looks on a background with the CIELCh color 81, 39.701, 196.725.

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
81, 39.701, 196.725

Protanopia
80, 4.933, 303.271

Deuteranopia
80, 18.154, 304.971



Tritanopia
81, 36.974, 212.257

Trichromacy



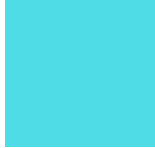
Original Color
81, 39.701, 196.725



Protanomaly
80, 17.250, 208.994



Deuteranomaly
80, 18.365, 236.376

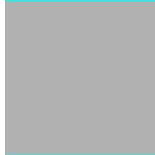


Tritanomaly
81, 37.707, 205.968

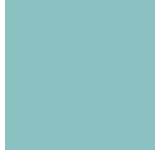
Monochromacy



Original Color
81, 39.701, 196.725



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 18.333, 198.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 39.701, 196.725 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, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(73, 221, 221)  
}
```

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, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 221, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 39.701, 196.725 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, 221, 221) }
```

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

```
.border{ border-color:rgb(73, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(73, 221,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 39.701, 196.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 221, 221) }
```

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

```
.background{ background-color: rgb(73, 221,  
221) }
```

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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