

Converting Colors

CIELCh(81, 38.168, 199.099)

Have a look what the booklet for
CIELCh(81, 38.168, 199.099)
contains.

CIELCh(81, 38.134, 199.264)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 38.134, 199.264)

Conversions

Conversions Part 1

Format	Color
Hex	51DCDF
RGB	81, 220, 223
RGB Percent	32%, 86%, 87%
CMY	0.6843, 0.1357, 0.1239
CMYK	0.64, 0.01, 0.00, 0.12
HSL	181°, 69%, 60%
HSV	181°, 64%, 88%
XYZ	42.4205, 58.4711, 79.1412
YIQ	178.7810, -83.8070, -28.5350

Conversions

Conversions Part 2

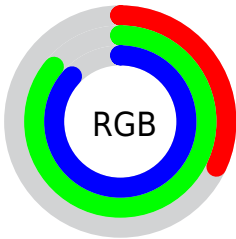
Format	Color
R_{YB}	81, 151, 223
Decimal	5364959
CIE _{Lab}	81.00, -36.00, -12.58
CIE _{LCh}	81, 38.134, 199.264
Yxy	58.4711, 0.2356, 0.3248
Android (android.graphics.Color)	4283555039 (0xFF51DCDF)
YUV	178.7810, 21.8000, -85.7539
Hunter-Lab	76.4664, -34.7916, -7.8375

Details

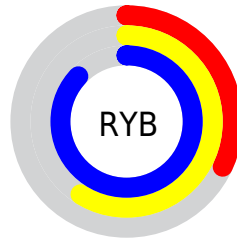
The CIELCh color **81, 38.134, 199.264** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **55, 62.556, 29.706**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **61, 35.472, 200.153** is the 20% darker color. If you saturate the color by 10%, you get **80, 40.964, 199.269**, and if you desaturate by 10%, it is **82, 34.310, 199.356**.

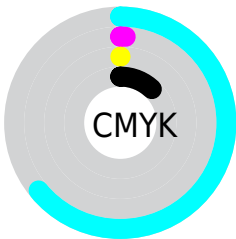
Distribution



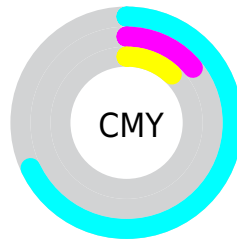
- Red (32%)
- Green (86%)
- Blue (87%)



- Red (32%)
- Yellow (59%)
- Blue (87%)



- Cyan (64%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)





- Cyan (68%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.134, 199.264 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, 38.134, 199.264 by changing the saturation by 10% instead.

 81, 38.134,
199.264

 81, 38.134,
199.264

 100, 38.134,
199.264

 71, 38.134,
199.264

 61, 38.134,
199.264

 51, 38.134,
199.264

 41, 38.134,
199.264

 31, 38.134,
199.264

 21, 38.134,
199.264

 11, 38.134,

199.264

■ 1, 38.134, 199.264

■ 0, 38.134, 199.264

■ 81, 38.134,
199.264

■ 81, 38.134,
199.264

■ 80, 40.964,
199.269

■ 82, 34.310,
199.356

■ 80, 42.810,
199.378

■ 83, 29.540,
199.544

■ 80, 43.751,
199.590

■ 84, 23.912,
199.817

■ 80, 44.016,
199.755

■ 85, 17.540,
200.169

■ 87, 10.551,

200.596

■ 88, 3.072, 201.193

■ 90, 4.780, 21.370

■ 92, 11.318, 22.103

■ 92, 11.158, 23.350

Harmonies

Complementary

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



81, 38.134, 199.264



55, 62.556, 29.706

Rectangle

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



81, 38.134, 199.264



81, 38.134, 249.264



81, 38.134, 19.264



81, 38.134, 69.264

Sweetspot

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



81, 38.134, 199.263



97, 15.736, 200.365



79, 85.749, 139.129



51, 10.728, 200.245



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, 38.134, 199.263



90, 46.129, 199.296



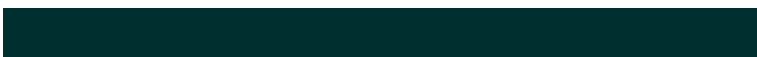
61, 43.997, 271.221



46, 4.360, 200.823



64, 36.842, 199.700



17, 15.205, 199.146

Inverse Universe

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



59, 84.222, 328.246



63, 105.151, 328.681



69, 51.756, 68.865



44, 8.039, 325.505



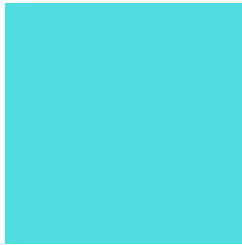
42, 86.071, 329.079



8, 35.428, 328.933

Previews

White Background



This preview shows how the CIELCh color 81, 38.134, 199.264 looks on a white background.

Color Contrast Check

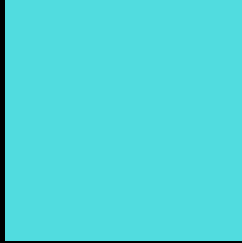
Large Text (above 18pt) WCAG AA × Fail

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, 38.134, 199.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

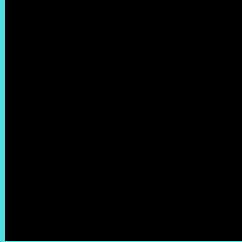
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 38.134, 199.264

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.134, 199.264.

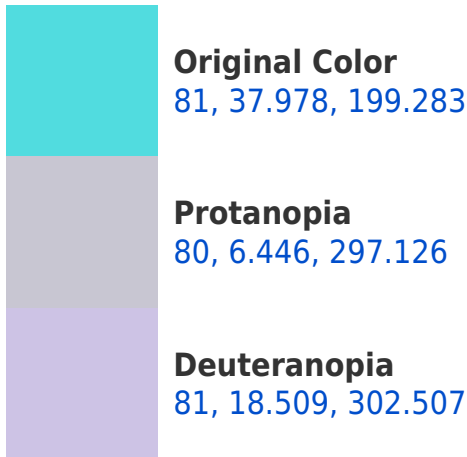


This preview shows how white text looks on a background with the CIELCh color 81, 38.134, 199.264.

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
81, 36.030, 212.727

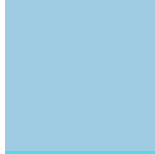
Trichromacy



Original Color
81, 37.978, 199.283



Protanomaly
80, 16.862, 214.951



Deuteranomaly
80, 18.492, 240.432

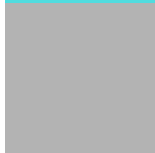


Tritanomaly
81, 36.564, 207.189

Monochromacy



Original Color
81, 37.978, 199.283



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 17.353, 199.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.134, 199.264 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(81, 220, 223)` looks like.

```
.text, #text, p{  
    color:rgb(81, 220, 223)  
}
```

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(81, 220, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 220, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.134, 199.264 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(81, 220, 223) }
```

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

```
.border{ border-color:rgb(81, 220, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 220, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 220, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 220, 223);  
box-shadow:4px 4px 4px 4px rgb(81, 220,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.134, 199.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 220, 223) }
```

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

```
.background{ background-color: rgb(81, 220,  
223) }
```

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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