

Converting Colors

CIELCh(79, 37.754, 210.261)

Have a look what the booklet for
CIELCh(79, 37.754, 210.261)
contains.

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Color

CIELCh(79, 37.837, 210.169)

Conversions

Conversions Part 1

Format	Color
Hex	45D6E6
RGB	69, 214, 230
RGB Percent	27%, 84%, 90%
CMY	0.7306, 0.1617, 0.0990
CMYK	0.70, 0.07, 0.00, 0.10
HSL	186°, 76%, 59%
HSV	186°, 70%, 90%
XYZ	40.6687, 54.9284, 83.1490
YIQ	172.4690, -91.5560, -25.7640

Conversions

Conversions Part 2

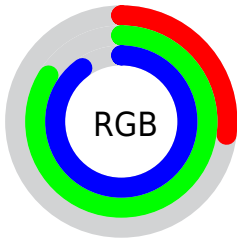
Format	Color
RYB	69, 145, 230
Decimal	4576998
CIELab	79.00, -32.71, -19.02
CIELCh	79, 37.837, 210.169
Yxy	54.9284, 0.2275, 0.3073
Android (android.graphics.Color)	4282767078 (0xFF45D6E6)
YUV	172.4690, 28.3628, -90.7423
Hunter-Lab	74.1137, -31.7499, -14.6385

Details

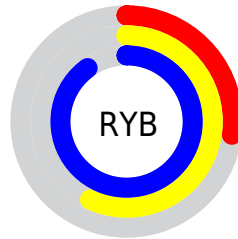
The CIELCh color **79, 37.837, 210.169** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 67.830, 35.329**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.696, 197.287**, and **60, 33.907, 211.385** is the 20% darker color. If you saturate the color by 10%, you get **78, 39.836, 211.245**, and if you desaturate by 10%, it is **80, 34.853, 209.377**.

Distribution



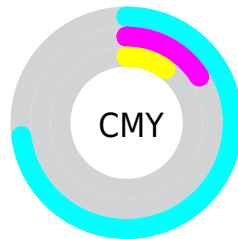
- Red (27%)
- Green (84%)
- Blue (90%)



- Red (27%)
- Yellow (57%)
- Blue (90%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (73%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 37.837, 210.169 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 79, 37.837, 210.169 by changing the saturation by 10% instead.


 79, 37.837,
210.169


 79, 37.837,
210.169


 100, 37.837,
210.169


 69, 37.837,
210.169


 99, 37.837,
210.169

 59, 37.837,
210.169

 49, 37.837,
210.169

 39, 37.837,
210.169

 29, 37.837,
210.169

 19, 37.837,
210.169

 9, 37.837, 210.169

■ 0, 37.837, 210.169

■ 79, 37.837,
210.169

■ 79, 37.837,
210.169

■ 78, 39.836,
211.245

■ 80, 34.853,
209.377

■ 77, 40.900,
212.646

■ 82, 30.909,
208.833

■ 76, 41.230,
214.334

■ 83, 26.075,
208.498

■ 85, 20.455,
208.336

■ 87, 14.169,
208.321

■ 89, 7.338, 208.445

■ 91, 0.080, 216.229

■ 94, 7.504, 28.689

■ 94, 7.857, 36.998

Harmonies

Complementary

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



79, 37.837, 210.169



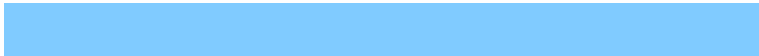
56, 67.830, 35.329

Rectangle

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



79, 37.837, 210.169



79, 37.837, 260.169



79, 37.837, 30.169



79, 37.837, 80.169

Sweetspot

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



79, 37.836, 210.168



95, 16.049, 208.316



81, 90.467, 139.936



50, 10.758, 208.311



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 37.836, 210.168



85, 43.724, 211.816



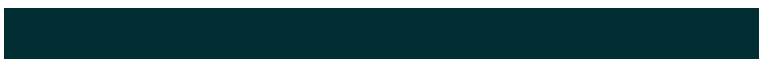
57, 54.674, 279.913



47, 4.127, 208.459



60, 34.176, 214.005



16, 14.527, 210.989

Inverse Universe

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



58, 86.996, 331.242



61, 103.360, 331.950



72, 59.086, 74.071



45, 7.760, 327.774



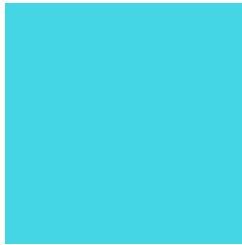
41, 81.817, 332.615



8, 34.746, 331.876

Previews

White Background



This preview shows how the CIE LCh color 79, 37.837, 210.169 looks on a white background.

Color Contrast Check

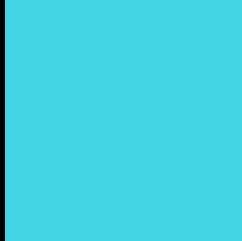
Large Text (above 18pt) WCAG AA × Fail

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 79, 37.837, 210.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

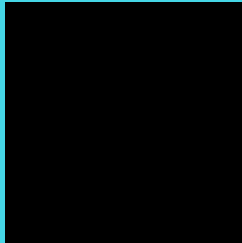
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 37.837, 210.169

Background



This preview shows how black text looks on a background with the CIELCh color 79, 37.837, 210.169.

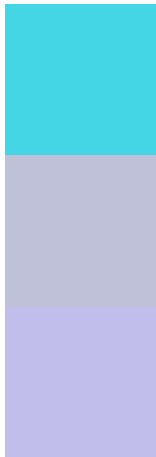


This preview shows how white text looks on a background with the CIELCh color 79, 37.837, 210.169.

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
79, 37.837, 210.169

Protanopia
79, 12.316, 288.046

Deuteranopia
79, 24.152, 294.711

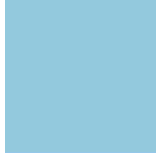


Tritanopia
79, 37.831, 211.028

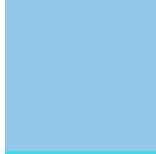
Trichromacy



Original Color
79, 37.837, 210.169



Protanomaly
78, 20.051, 230.867



Deuteranomaly
78, 23.674, 249.349

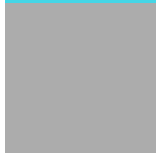


Tritanomaly
79, 37.831, 211.028

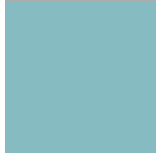
Monochromacy



Original Color
79, 37.837, 210.169



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 17.980, 208.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 37.837, 210.169 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(69, 214, 230)` looks like.

```
.text, #text, p{  
    color:rgb(69, 214, 230)  
}
```

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(69, 214, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 214, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 37.837, 210.169 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(69, 214, 230) }
```

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

```
.border{ border-color:rgb(69, 214, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 214, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 214, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 214, 230);  
box-shadow:4px 4px 4px 4px rgb(69, 214,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 37.837, 210.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 214, 230) }
```

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

```
.background{ background-color: rgb(69, 214,  
230) }
```

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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