

Converting Colors

CIELCh(79, 41.975, 216.741)

Have a look what the booklet for
CIELCh(79, 41.975, 216.741)
contains.

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Color

CIELCh(79, 42.002, 216.412)

Conversions

Conversions Part 1

Format	Color
Hex	12D7F1
RGB	18, 215, 241
RGB Percent	7%, 84%, 95%
CMY	0.9299, 0.1579, 0.0559
CMYK	0.93, 0.11, 0.00, 0.06
HSL	187°, 89%, 51%
HSV	187°, 93%, 94%
XYZ	40.3167, 54.9284, 91.4867
YIQ	159.0610, -125.7580, -33.6780

Conversions

Conversions Part 2

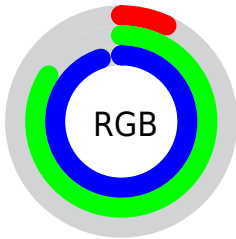
Format	Color
RYB	18, 123, 241
Decimal	1234929
CIELab	79.00, -33.80, -24.93
CIELCh	79, 42.002, 216.412
Yxy	54.9284, 0.2159, 0.2942
Android (android.graphics.Color)	4279425009 (0xFF12D7F1)
YUV	159.0610, 40.3959, -123.7105
Hunter-Lab	74.1137, -32.5976, -21.3086

Details

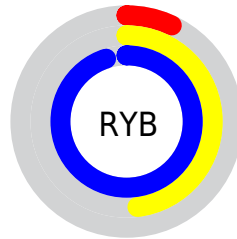
The CIELCh color **79, 42.002, 216.412** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **52, 93.296, 40.506**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **60, 34.384, 221.477** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.211, 217.995**, and if you desaturate by 10%, it is **80, 41.126, 214.585**.

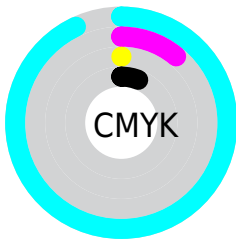
Distribution



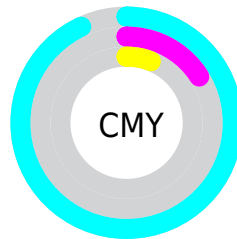
- Red (7%)
- Green (84%)
- Blue (95%)



- Red (7%)
- Yellow (48%)
- Blue (95%)



- Cyan (93%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)





- Cyan (93%)
- Magenta (16%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 42.002, 216.412 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, 42.002, 216.412 by changing the saturation by 10% instead.

 79, 42.002,
216.412

 79, 42.002,
216.412


 100, 42.002,
216.412

 69, 42.002,
216.412


 99, 42.002,
216.412

 59, 42.002,
216.412

 49, 42.002,
216.412

 39, 42.002,
216.412

 29, 42.002,
216.412

 19, 42.002,
216.412

 9, 42.002, 216.412

■ 0, 42.002, 216.412

■ 79, 42.002,
216.412

■ 79, 42.002,
216.412

■ 78, 42.211,
217.995

■ 80, 41.126,
214.585

■ 81, 39.325,
213.151

■ 83, 36.522,
212.065

■ 84, 32.724,
211.280

■ 86, 27.992,
210.745

■ 88, 22.426,
210.419

■ 90, 16.148,
210.266

■ 92, 9.283, 210.264

■ 94, 1.951, 210.597

Harmonies

Complementary

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



79, 42.002, 216.412



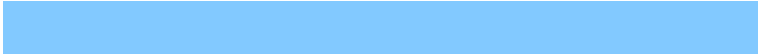
52, 93.296, 40.506

Rectangle

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



79, 42.002, 216.412



79, 42.002, 266.412



79, 42.002, 36.412



79, 42.002, 86.412

Sweetspot

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



79, 42.001, 216.411



93, 20.567, 210.331



83, 109.782, 137.423



49, 13.953, 210.416



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, 42.001, 216.411



82, 44.082, 218.071



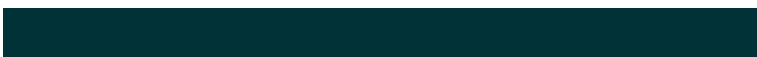
48, 78.331, 290.187



49, 4.216, 210.299



61, 34.489, 217.580



18, 15.219, 214.272

Inverse Universe

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



56, 100.067, 333.168



59, 105.279, 333.615



70, 76.800, 70.886



47, 7.945, 328.314



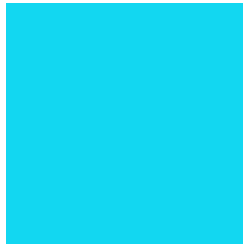
42, 82.410, 333.494



10, 36.433, 332.681

Previews

White Background



This preview shows how the CIE LCh color 79, 42.002, 216.412 looks on a white background.

Color Contrast Check

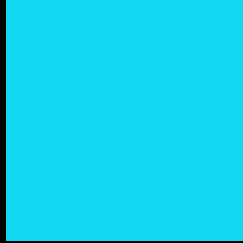
Large Text (above 18pt) WCAG AA × Fail

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, 42.002, 216.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

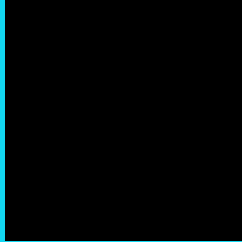
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 42.002, 216.412

Background



This preview shows how black text looks on a background with the CIELCh color 79, 42.002, 216.412.



This preview shows how white text looks on a background with the CIELCh color 79, 42.002, 216.412.

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

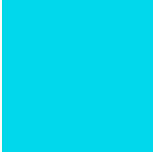
79, 42.036, 216.394

Protanopia

78, 18.227, 287.547

Deuteranopia

78, 29.990, 290.384

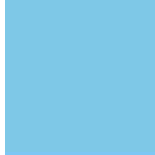


Tritanopia
79, 42.656, 209.114

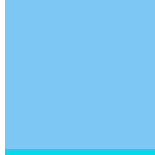
Trichromacy



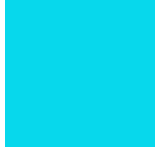
Original Color
79, 42.036, 216.394



Protanomaly
77, 27.061, 236.441



Deuteranomaly
77, 31.359, 249.281

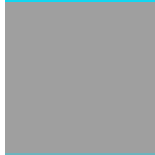


Tritanomaly
79, 42.420, 211.496

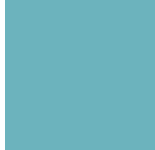
Monochromacy



Original Color
79, 42.036, 216.394



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 23.072, 211.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 42.002, 216.412 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(18, 215, 241)` looks like.

```
.text, #text, p{  
    color:rgb(18, 215, 241)  
}
```

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(18, 215, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 215, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 42.002, 216.412 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(18, 215, 241) }
```

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

```
.border{ border-color:rgb(18, 215, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 215, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 215, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 215, 241);  
box-shadow:4px 4px 4px 4px rgb(18, 215,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 42.002, 216.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 215, 241) }
```

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

```
.background{ background-color: rgb(18, 215,  
241) }
```

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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