

Converting Colors

CIELCh(80, 40.936, 212.925)

Have a look what the booklet for
CIELCh(80, 40.936, 212.925)
contains.

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Color

CIELCh(80, 41.021, 212.879)

Conversions

Conversions Part 1	
Format	Color
Hex	2BDAEF
RGB	43, 218, 239
RGB Percent	17%, 85%, 94%
CMY	0.8304, 0.1465, 0.0642
CMYK	0.82, 0.09, 0.00, 0.06
HSL	186°, 86%, 55%
HSV	186°, 82%, 94%
XYZ	41.5073, 56.6813, 90.1283
YIQ	168.0690, -111.0410, -30.5690

Conversions

Conversions Part 2

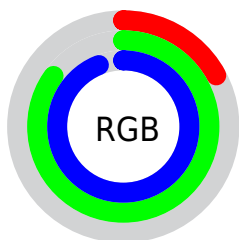
Format	Color
RYB	43, 135, 239
Decimal	2874095
CIELab	80.00, -34.45, -22.27
CIELCh	80, 41.021, 212.879
Yxy	56.6813, 0.2204, 0.3010
Android (android.graphics.Color)	4281064175 (0xFF2BDAEF)
YUV	168.0690, 34.9690, -109.6855
Hunter-Lab	75.2870, -33.3414, -18.2769

Details

The CIELCh color **80, 41.021, 212.879** 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 **54, 82.870, 38.326**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **61, 34.563, 216.062** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.943, 214.500**, and if you desaturate by 10%, it is **81, 39.158, 211.614**.

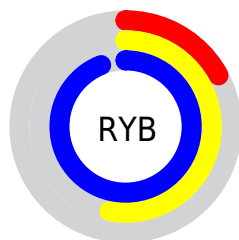
Distribution



Red (17%)

Green (85%)

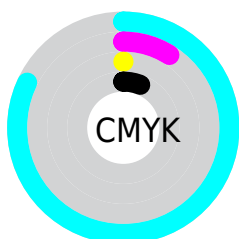
Blue (94%)



Red (17%)

Yellow (53%)

Blue (94%)

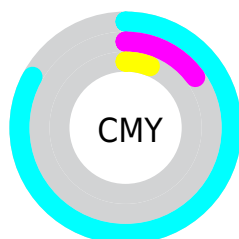


Cyan (82%)

Magenta (9%)

Yellow (0%)

Black (6%)



Cyan (83%)


Magenta (15%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.021, 212.879 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 80, 41.021, 212.879 by changing the saturation by 10% instead.


 80, 41.021,
212.879


 80, 41.021,
212.879


 100, 41.021,
212.879


 70, 41.021,
212.879

 60, 41.021,
212.879

 50, 41.021,
212.879

 40, 41.021,
212.879

 30, 41.021,
212.879

 20, 41.021,
212.879

 10, 41.021,

212.879

0, 41.021, 212.879

80, 41.021,
212.879

80, 41.021,
212.879

79, 41.943,
214.500

81, 39.158,
211.614


78, 42.172,
216.057

82, 36.291,
210.669

84, 32.429,
209.997

86, 27.638,
209.557

87, 22.019,
209.309

 89, 15.695,
209.221

 92, 8.791, 209.277

 94, 1.428, 209.771

 96, 5.215, 31.364

Harmonies

Complementary

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



80, 41.021, 212.879



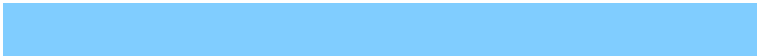
54, 82.870, 38.326

Rectangle

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



80, 41.021, 212.879



80, 41.021, 262.879



80, 41.021, 32.879



80, 41.021, 82.879

Sweetspot

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



80, 41.020, 212.878



94, 18.710, 209.234



83, 102.519, 138.729



49, 12.596, 209.264



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 41.020, 212.878



83, 44.294, 215.741



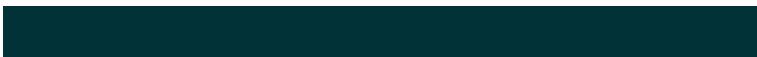
52, 68.170, 285.862



49, 4.248, 209.316



62, 34.689, 215.692



18, 15.315, 212.693

Inverse Universe

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



57, 96.671, 332.176



59, 105.889, 333.032



72, 70.336, 73.393



47, 7.996, 328.028



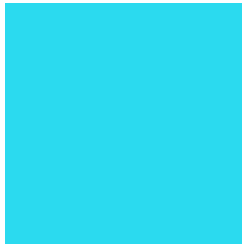
42, 83.003, 333.029



10, 36.660, 332.294

Previews

White Background



This preview shows how the CIELCh color 80, 41.021, 212.879 looks on a white background.

Color Contrast Check

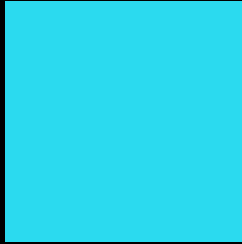
Large Text (above 18pt) WCAG AA × Fail

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 80, 41.021, 212.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

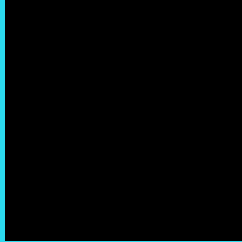
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 41.021, 212.879

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.021, 212.879.



This preview shows how white text looks on a background with the CIELCh color 80, 41.021, 212.879.

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

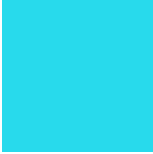
80, 41.096, 212.844

Protanopia

79, 15.501, 287.755

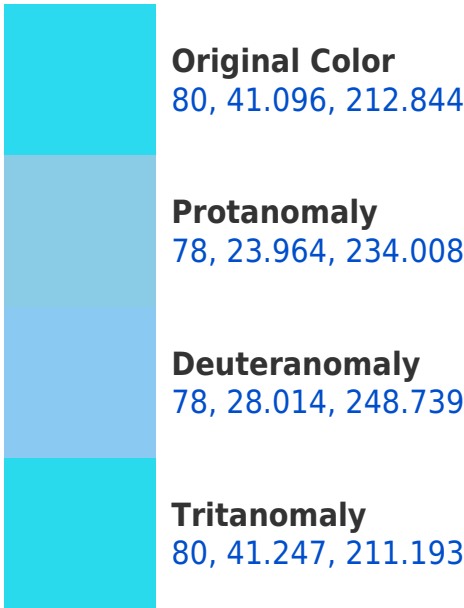
Deuteranopia

80, 27.238, 291.892



Tritanopia
80, 41.332, 210.372

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.021, 212.879 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(43, 218, 239)` looks like.

```
.text, #text, p{  
    color:rgb(43, 218, 239)  
}
```

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(43, 218, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 218, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.021, 212.879 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(43, 218, 239) }
```

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

```
.border{ border-color:rgb(43, 218, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 218, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 218, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 218, 239);  
box-shadow:4px 4px 4px 4px rgb(43, 218,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.021, 212.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 218, 239) }
```

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

```
.background{ background-color: rgb(43, 218,  
239) }
```

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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