

Converting Colors

CIELCh(79, 41.549, 231.262)

Have a look what the booklet for
CIELCh(79, 41.549, 231.262)
contains.

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Color

CIELCh(79, 41.550, 231.310)

Conversions

Conversions Part 1

Format	Color
Hex	33D4FF
RGB	51, 212, 255
RGB Percent	20%, 83%, 100%
CMY	0.8009, 0.1691, 0.0005
CMYK	0.80, 0.17, 0.00, 0.00
HSL	193°, 100%, 60%
HSV	193°, 80%, 100%
XYZ	42.8901, 54.9284, 102.8324
YIQ	168.7630, -109.7590, -20.7590

Conversions

Conversions Part 2

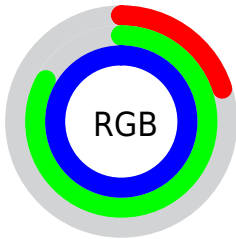
Format	Color
RYB	51, 141, 255
Decimal	3396863
CIELab	79.00, -25.97, -32.43
CIELCh	79, 41.550, 231.310
Yxy	54.9284, 0.2138, 0.2738
Android (android.graphics.Color)	4281586943 (0xFF33D4FF)
YUV	168.7630, 42.5148, -103.2782
Hunter-Lab	74.1137, -26.3998, -30.3850

Details

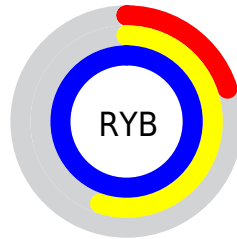
The CIELCh color **79, 41.550, 231.310** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **61, 81.135, 43.046**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **60, 36.476, 237.319** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.205, 234.765**, and if you desaturate by 10%, it is **81, 39.098, 228.511**.

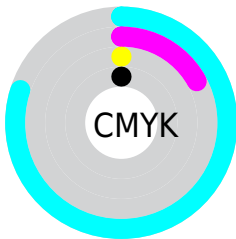
Distribution



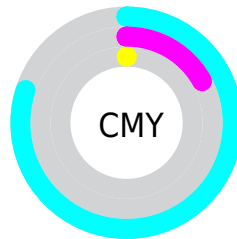
- Red (20%)
- Green (83%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (17%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 41.550, 231.310 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, 41.550, 231.310 by changing the saturation by 10% instead.


 79, 41.550,
231.310


 79, 41.550,
231.310


 100, 41.550,
231.310


 69, 41.550,
231.310


 99, 41.550,
231.310

 59, 41.550,
231.310

 49, 41.550,
231.310

 39, 41.550,
231.310

 29, 41.550,
231.310

 19, 41.550,
231.310

 9, 41.550, 231.310

■ 0, 41.550, 231.310

■ 79, 41.550,
231.310

■ 79, 41.550,
231.310

■ 77, 43.205,
234.765

■ 81, 39.098,
228.511

■ 75, 44.304,
238.785

■ 83, 35.765,
226.300

■ 86, 31.544,
224.589

■ 88, 26.494,
223.288

■ 91, 20.710,
222.319

■ 94, 14.303,
221.620

■ 97, 7.386, 221.154

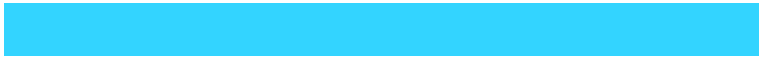
100, 0.066,
230.657

100, 0.058,
108.846

Harmonies

Complementary

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



79, 41.550, 231.310



61, 81.135, 43.046

Rectangle

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



79, 41.550, 231.310



79, 41.550, 281.310



79, 41.550, 51.310



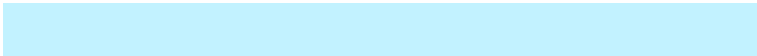
79, 41.550, 101.310

Sweetspot

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



79, 41.549, 231.310



93, 16.887, 221.865



88, 100.376, 141.448



48, 11.460, 222.120



0, 0.000, 0.000



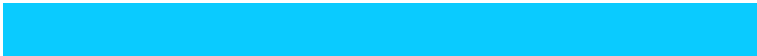
53, 0.007, 296.813

Same Dimension

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



79, 41.549, 231.310



76, 43.904, 237.125



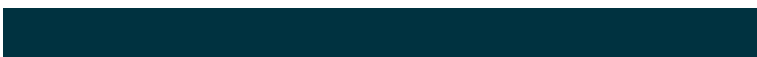
51, 82.542, 292.195



52, 4.173, 221.135



58, 35.612, 237.992



19, 16.188, 232.456

Inverse Universe

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



60, 93.876, 336.863



58, 97.805, 338.585



82, 74.828, 82.469



50, 7.823, 331.477



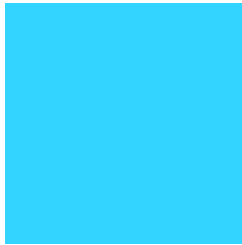
43, 79.054, 338.843



11, 37.061, 337.302

Previews

White Background



This preview shows how the CIE LCh color 79, 41.550, 231.310 looks on a white background.

Color Contrast Check

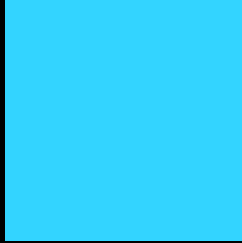
Large Text (above 18pt) WCAG AA × Fail

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, 41.550, 231.310 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, 41.550, 231.310

Background



This preview shows how black text looks on a background with the CIELCh color 79, 41.550, 231.310.

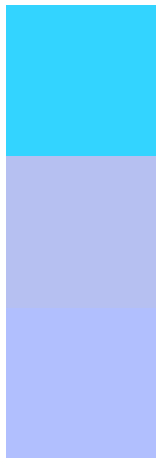


This preview shows how white text looks on a background with the CIELCh color 79, 41.550, 231.310.

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

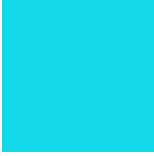
79, 41.550, 231.310

Protanopia

78, 26.338, 285.440

Deuteranopia

78, 34.365, 286.450



Tritanopia
79, 42.189, 209.282

Trichromacy



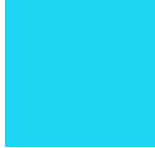
Original Color
79, 41.550, 231.310



Protanomaly
78, 30.790, 254.059



Deuteranomaly
78, 34.662, 259.324

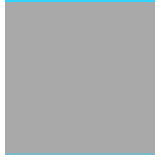


Tritanomaly
79, 41.427, 217.555

Monochromacy



Original Color
79, 41.550, 231.310



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 20.461, 221.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 41.550, 231.310 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(51, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 212, 255)  
}
```

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(51, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 212, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 41.550, 231.310 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(51, 212, 255) }
```

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

```
.border{ border-color:rgb(51, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 212,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 41.550, 231.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 212, 255) }
```

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

```
.background{ background-color: rgb(51, 212,  
255) }
```

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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