

Converting Colors

CIELCh(78, 41.663, 234.937)

Have a look what the booklet for
CIELCh(78, 41.663, 234.937)
contains.

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Color

CIELCh(78, 41.629, 235.135)

Conversions

Conversions Part 1

Format	Color
Hex	35D0FF
RGB	53, 208, 255
RGB Percent	21%, 82%, 100%
CMY	0.7906, 0.1835, 0.0000
CMYK	0.79, 0.18, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 79%, 100%
XYZ	42.1780, 53.2120, 102.8341
YIQ	167.0130, -107.4670, -18.2430

Conversions

Conversions Part 2

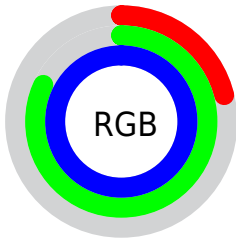
Format	Color
RYB	53, 141, 255
Decimal	3526911
CIELab	78.00, -23.80, -34.16
CIELCh	78, 41.629, 235.135
Yxy	53.2120, 0.2128, 0.2684
Android (android.graphics.Color)	4281716991 (0xFF35D0FF)
YUV	167.0130, 43.3776, -99.9894
Hunter-Lab	72.9466, -24.4469, -32.5196

Details

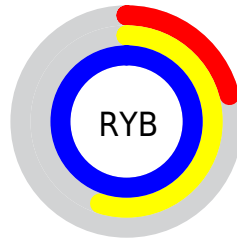
The CIELCh color **78, 41.629, 235.135** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **62, 79.117, 44.231**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **59, 37.019, 241.691** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.549, 238.691**, and if you desaturate by 10%, it is **80, 38.876, 231.951**.

Distribution



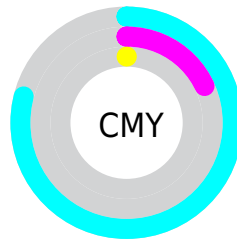
- Red (21%)
- Green (82%)
- Blue (100%)



- Red (21%)
- Yellow (55%)
- Blue (100%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (18%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 41.629, 235.135 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 78, 41.629, 235.135 by changing the saturation by 10% instead.


 78, 41.629,
235.135


 78, 41.629,
235.135


 100, 41.629,
235.135


 68, 41.629,
235.135


 98, 41.629,
235.135

 58, 41.629,
235.135

 48, 41.629,
235.135

 38, 41.629,
235.135

 28, 41.629,
235.135

 18, 41.629,
235.135

 8, 41.629, 235.135

■ 0, 41.629, 235.135

■ 78, 41.629,
235.135

■ 78, 41.629,
235.135

■ 76, 43.549,
238.691

■ 80, 38.876,
231.951

■ 74, 44.993,
243.048

■ 83, 35.336,
229.543

■ 74, 45.127,
243.467

■ 85, 30.958,
227.663

■ 88, 25.798,
226.217

■ 91, 19.947,
225.124

■ 94, 13.510,
224.315

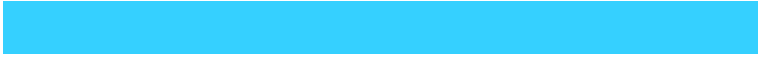
■ 97, 6.596, 223.758

100, 0.012,
296.813

Harmonies

Complementary

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



78, 41.629, 235.135



62, 79.117, 44.231

Rectangle

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



78, 41.629, 235.135



78, 41.629, 285.135



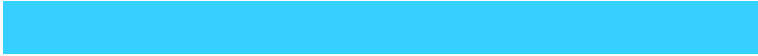
78, 41.629, 55.135



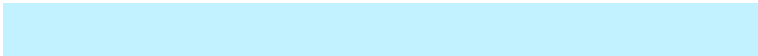
78, 41.629, 105.135

Sweetspot

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



78, 41.584, 234.978



92, 16.757, 224.683



89, 98.429, 142.104



48, 11.377, 224.986



0, 0.000, 0.000



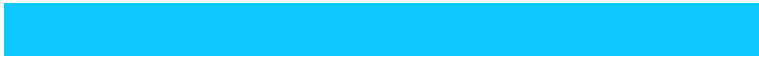
53, 0.007, 296.813

Same Dimension

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



78, 41.584, 234.978



75, 44.440, 241.225



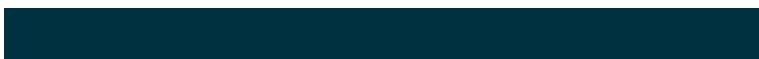
51, 83.489, 292.819



52, 4.135, 223.777



57, 36.211, 242.611



18, 16.320, 236.590

Inverse Universe

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



60, 92.070, 337.863



58, 96.281, 339.781



83, 74.695, 84.043



50, 7.705, 332.261



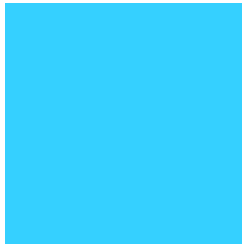
43, 77.830, 340.213



11, 36.542, 338.444

Previews

White Background



This preview shows how the CIE LCh color 78, 41.629, 235.135 looks on a white background.

Color Contrast Check

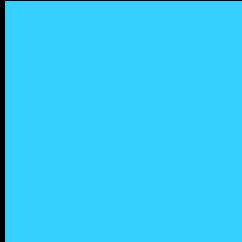
Large Text (above 18pt) WCAG AA × Fail

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 78, 41.629, 235.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

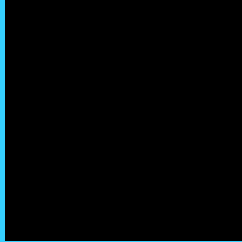
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 41.629, 235.135

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.629, 235.135.

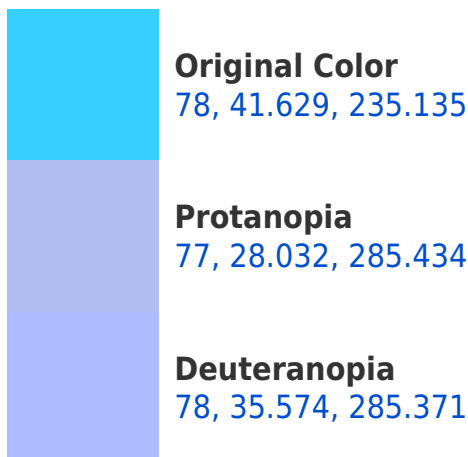


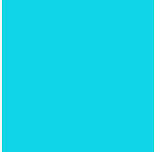
This preview shows how white text looks on a background with the CIELCh color 78, 41.629, 235.135.

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
78, 41.795, 209.437

Trichromacy



Original Color
78, 41.629, 235.135



Protanomaly
77, 31.747, 257.088



Deuteranomaly
77, 35.865, 261.562



Tritanomaly
78, 41.027, 218.659

Monochromacy



Original Color
78, 41.629, 235.135



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 20.046, 225.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.629, 235.135 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(53, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 208, 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(53, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 208, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.629, 235.135 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(53, 208, 255) }
```

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

```
.border{ border-color:rgb(53, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 208,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.629, 235.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 208, 255) }
```

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

```
.background{ background-color: rgb(53, 208,  
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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