

Converting Colors

CIELCh(80, 57.856, 262.983)

Have a look what the booklet for
CIELCh(80, 57.856, 262.983)
contains.

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Color

CIELCh(78, 41.701, 235.055)

Conversions

Conversions Part 1

Format	Color
Hex	34D0FF
RGB	52, 208, 255
RGB Percent	20%, 82%, 100%
CMY	0.7941, 0.1833, 0.0000
CMYK	0.79, 0.18, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 79%, 100%
XYZ	42.1486, 53.2120, 102.8746
YIQ	166.7140, -108.0630, -18.4550

Conversions

Conversions Part 2

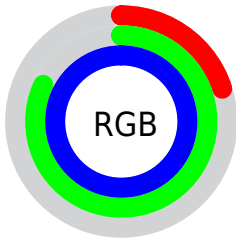
Format	Color
R _Y B	52, 140, 255
Decimal	3461375
CIE Lab	78.00, -23.89, -34.18
CIE LCh	78, 41.701, 235.055
Yxy	53.2120, 0.2126, 0.2684
Android (android.graphics.Color)	4281651455 (0xFF34D0FF)
YUV	166.7140, 43.5250, -100.6042
Hunter-Lab	72.9466, -24.5191, -32.5525

Details

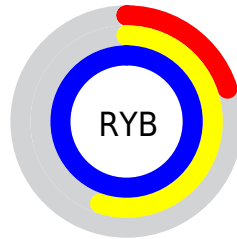
The CIELCh color **78, 41.701, 235.055** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **62, 79.577, 44.176**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **59, 37.019, 241.691** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.574, 238.584**, and if you desaturate by 10%, it is **80, 38.979, 231.830**.

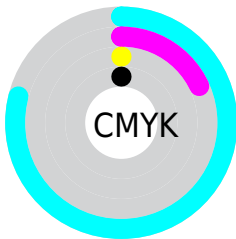
Distribution



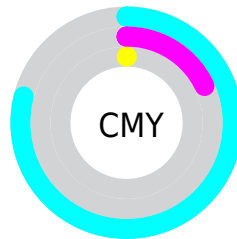
- Red (20%)
- Green (82%)
- Blue (100%)



- Red (20%)
- 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, 41.701, 235.055 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, 41.701, 235.055 by changing the saturation by 10% instead.


 78, 41.701,
235.055


 78, 41.701,
235.055


 100, 41.701,
235.055


 68, 41.701,
235.055


 98, 41.701,
235.055

 58, 41.701,
235.055

 48, 41.701,
235.055

 38, 41.701,
235.055

 28, 41.701,
235.055

 18, 41.701,
235.055

 8, 41.701, 235.055

■ 0, 41.701, 235.055

■ 78, 41.701,
235.055

■ 78, 41.701,
235.055

■ 76, 43.574,
238.584

■ 80, 38.979,
231.830

■ 74, 44.990,
242.936

■ 83, 35.476,
229.416

■ 74, 45.072,
243.195

■ 85, 31.132,
227.531

■ 88, 26.001,
226.082

■ 91, 20.173,
224.986

■ 94, 13.754,
224.176

■ 97, 6.852, 223.617

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, 41.701, 235.055



62, 79.577, 44.176

Rectangle

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



78, 41.701, 235.055



78, 41.701, 285.055



78, 41.701, 55.055



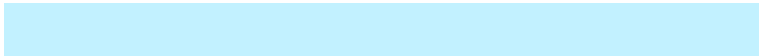
78, 41.701, 105.055

Sweetspot

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



78, 41.647, 234.864



92, 16.764, 224.516



89, 98.735, 142.043



48, 11.381, 224.817



0, 0.000, 0.000



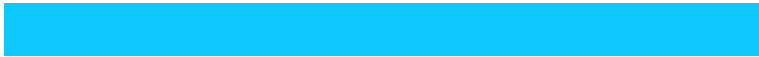
53, 0.007, 296.813

Same Dimension

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



78, 41.647, 234.864



75, 44.396, 240.962



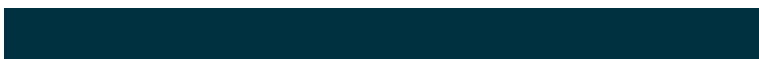
51, 83.906, 292.941



52, 4.137, 223.621



57, 36.170, 242.342



18, 16.310, 236.348

Inverse Universe

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



60, 92.325, 337.835



58, 96.367, 339.703



83, 74.933, 83.983



50, 7.712, 332.214



43, 77.900, 340.131



11, 36.572, 338.376

Previews

White Background



This preview shows how the CIE LCh color 78, 41.701, 235.055 looks on a white background.

Color Contrast Check

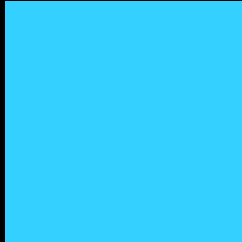
Large Text (above 18pt) WCAG AA × Fail

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, 41.701, 235.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

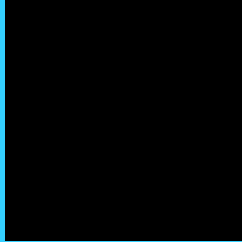
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 41.701, 235.055

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.701, 235.055.

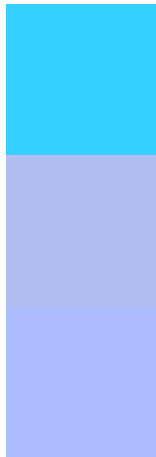


This preview shows how white text looks on a background with the CIELCh color 78, 41.701, 235.055.

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

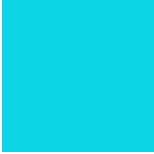
78, 41.701, 235.055

Protanopia

77, 28.032, 285.434

Deuteranopia

78, 35.574, 285.371



Tritanopia
78, 41.913, 209.393

Trichromacy



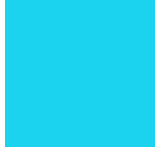
Original Color
78, 41.701, 235.055



Protanomaly
77, 31.878, 256.707



Deuteranomaly
77, 35.975, 261.227

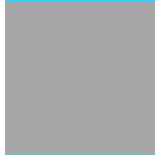


Tritanomaly
78, 41.173, 218.570

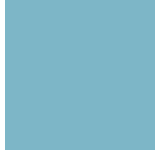
Monochromacy



Original Color
78, 41.701, 235.055



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 20.295, 225.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.701, 235.055 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(52, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 208, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.701, 235.055 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(52, 208, 255) }
```

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

```
.border{ border-color:rgb(52, 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(52, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 208,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.701, 235.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 208, 255) }
```

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

```
.background{ background-color: rgb(52, 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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