

Converting Colors

CIELCh(80, 41.442, 229.213)

Have a look what the booklet for
CIELCh(80, 41.442, 229.213)
contains.

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Color

CIELCh(80, 41.337, 228.698)

Conversions

Conversions Part 1

Format	Color
Hex	35D7FF
RGB	53, 215, 255
RGB Percent	21%, 84%, 100%
CMY	0.7909, 0.1562, 0.0000
CMYK	0.79, 0.16, 0.00, 0.00
HSL	192°, 100%, 60%
HSV	192°, 79%, 100%
XYZ	43.9045, 56.6813, 103.3785
YIQ	171.1220, -109.3920, -21.9040

Conversions

Conversions Part 2

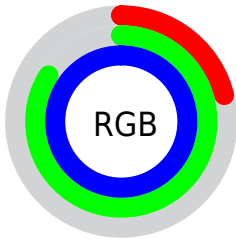
Format	Color
R _Y B	53, 143, 255
Decimal	3528703
CIE Lab	80.00, -27.28, -31.05
CIE LCh	80, 41.337, 228.698
Yxy	56.6813, 0.2153, 0.2779
Android (android.graphics.Color)	4281718783 (0xFF35D7FF)
YUV	171.1220, 41.3519, -103.5930
Hunter-Lab	75.2870, -27.6578, -28.7118

Details

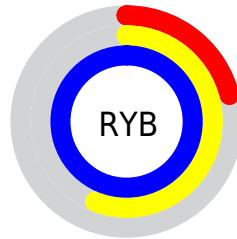
The CIELCh color **80, 41.337, 228.698** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **61, 80.566, 42.220**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **61, 36.200, 234.000** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.916, 231.737**, and if you desaturate by 10%, it is **82, 38.859, 226.019**.

Distribution



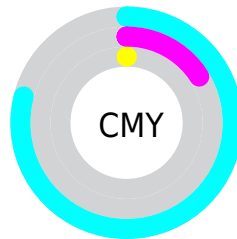
- Red (21%)
- Green (84%)
- Blue (100%)



- Red (21%)
- Yellow (56%)
- Blue (100%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.337, 228.698 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, 41.337, 228.698 by changing the saturation by 10% instead.


 80, 41.337,
228.698


 80, 41.337,
228.698


 100, 41.337,
228.698


 70, 41.337,
228.698

 60, 41.337,
228.698

 50, 41.337,
228.698

 40, 41.337,
228.698

 30, 41.337,
228.698

 20, 41.337,
228.698

 10, 41.337,

228.698

■ 0, 41.337, 228.698

■ 80, 41.337,
228.698

■ 80, 41.337,
228.698

■ 78, 42.916,
231.737

■ 82, 38.859,
226.019

■ 77, 43.886,
235.520

■ 84, 35.488,
224.022

■ 77, 43.968,
235.876

■ 86, 31.208,
222.490

■ 89, 26.084,
221.339

■ 91, 20.218,
220.496

■ 94, 13.725,
219.903

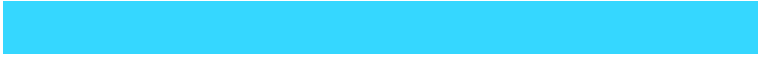
■ 97, 6.721, 219.534

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.



80, 41.337, 228.698



61, 80.566, 42.220

Rectangle

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



80, 41.337, 228.698



80, 41.337, 278.698



80, 41.337, 48.698



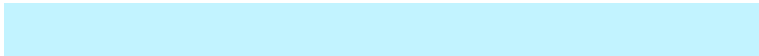
80, 41.337, 98.698

Sweetspot

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



80, 41.310, 228.566



93, 16.986, 220.166



88, 100.662, 141.147



49, 11.524, 220.390



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, 41.310, 228.566



77, 43.536, 233.918



53, 79.379, 290.819



52, 4.200, 219.544



59, 35.354, 235.126



19, 16.146, 229.920

Inverse Universe

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



61, 94.256, 336.116



58, 98.713, 337.685



81, 73.715, 81.228



50, 7.897, 331.009



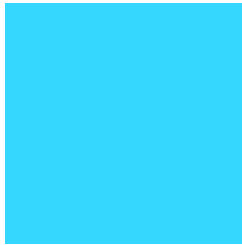
43, 79.828, 338.034



11, 37.387, 336.625

Previews

White Background



This preview shows how the CIE LCh color 80, 41.337, 228.698 looks on a white background.

Color Contrast Check

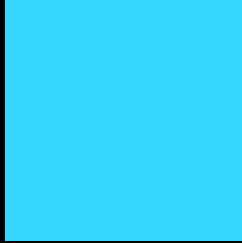
Large Text (above 18pt) WCAG AA × Fail

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, 41.337, 228.698 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, 41.337, 228.698

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.337, 228.698.

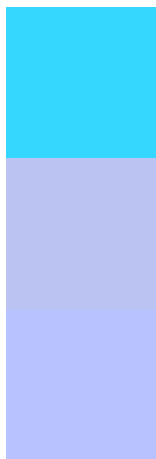


This preview shows how white text looks on a background with the CIELCh color 80, 41.337, 228.698.

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](#).

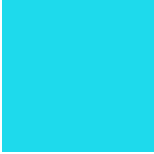
Dichromacy



Original Color
80, 41.337, 228.698

Protanopia
80, 24.652, 285.491

Deuteranopia
80, 32.639, 286.949



Tritanopia
80, 41.946, 210.134

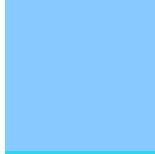
Trichromacy



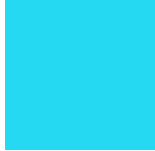
Original Color
80, 41.337, 228.698



Protanomaly
79, 29.467, 252.040



Deuteranomaly
79, 33.261, 257.669



Tritanomaly
80, 41.387, 216.727

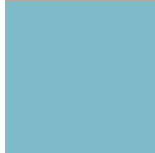
Monochromacy



Original Color
80, 41.337, 228.698



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 20.452, 221.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.337, 228.698 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 215, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.337, 228.698 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, 215, 255) }
```

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

```
.border{ border-color:rgb(53, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 215,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.337, 228.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 215, 255) }
```

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

```
.background{ background-color: rgb(53, 215,  
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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