

Converting Colors

CIELCh(80, 40.432, 228.305)

Have a look what the booklet for
CIELCh(80, 40.432, 228.305)
contains.

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Color

CIELCh(80, 40.520, 228.531)

Conversions

Conversions Part 1

Format	Color
Hex	3DD7FE
RGB	61, 215, 254
RGB Percent	24%, 84%, 100%
CMY	0.7614, 0.1573, 0.0044
CMYK	0.76, 0.15, 0.00, 0.00
HSL	192°, 99%, 62%
HSV	192°, 76%, 100%
XYZ	44.0582, 56.6813, 102.2908
YIQ	173.4000, -104.3030, -20.5190

Conversions

Conversions Part 2

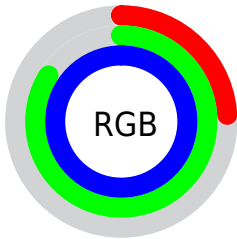
Format	Color
R _Y B	61, 147, 254
Decimal	4052990
CIE Lab	80.00, -26.83, -30.36
CIE LCh	80, 40.520, 228.531
Yxy	56.6813, 0.2170, 0.2792
Android (android.graphics.Color)	4282243070 (0xFF3DD7FE)
YUV	173.4000, 39.7358, -98.5748
Hunter-Lab	75.2870, -27.2933, -27.8552

Details

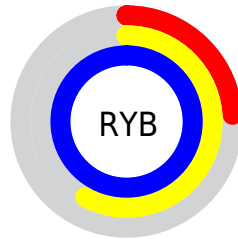
The CIELCh color **80, 40.520, 228.531** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **62, 76.533, 42.174**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **61, 36.008, 233.085** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.400, 231.576**, and if you desaturate by 10%, it is **82, 37.775, 226.099**.

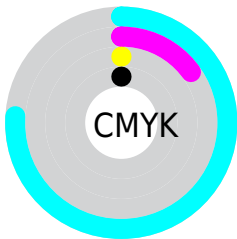
Distribution



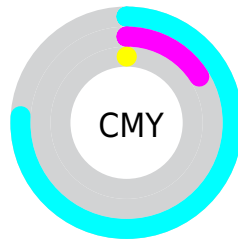
- Red (24%)
- Green (84%)
- Blue (100%)



- Red (24%)
- Yellow (58%)
- Blue (100%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 40.520, 228.531 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, 40.520, 228.531 by changing the saturation by 10% instead.


 80, 40.520,
228.531


 80, 40.520,
228.531


 100, 40.520,
228.531


 70, 40.520,
228.531

 60, 40.520,
228.531

 50, 40.520,
228.531

 40, 40.520,
228.531

 30, 40.520,
228.531

 20, 40.520,
228.531

 10, 40.520,

228.531

■ 0, 40.520, 228.531

■ 80, 40.520,
228.531

■ 80, 40.520,
228.531

■ 78, 42.400,
231.576

■ 82, 37.775,
226.099

■ 76, 43.564,
235.277

■ 84, 34.120,
224.203

■ 76, 43.930,
236.861

■ 87, 29.582,
222.752

■ 89, 24.239,
221.666

■ 92, 18.197,
220.873

■ 95, 11.571,
220.321

■ 98, 4.473, 220.018

100, 0.552,
109.996

Harmonies

Complementary

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



80, 40.520, 228.531



62, 76.533, 42.174

Rectangle

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



80, 40.520, 228.531



80, 40.520, 278.531



80, 40.520, 48.531



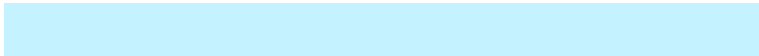
80, 40.520, 98.531

Sweetspot

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



80, 40.519, 228.531



93, 16.298, 220.682



88, 96.516, 142.123



49, 11.142, 220.912



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, 40.519, 228.531



78, 43.199, 233.339



53, 77.707, 290.783



52, 4.191, 220.084



58, 35.433, 236.106



19, 16.157, 230.785

Inverse Universe

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



61, 91.937, 336.061



58, 97.977, 337.509



82, 71.759, 83.171



50, 7.872, 331.167



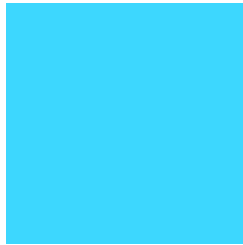
43, 79.562, 338.307



11, 37.275, 336.854

Previews

White Background



This preview shows how the CIE LCh color 80, 40.520, 228.531 looks on a white background.

Color Contrast Check

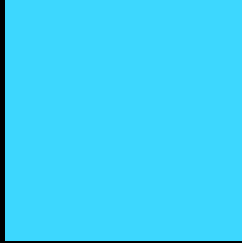
Large Text (above 18pt) WCAG AA × Fail

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, 40.520, 228.531 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, 40.520, 228.531

Background



This preview shows how black text looks on a background with the CIELCh color 80, 40.520, 228.531.



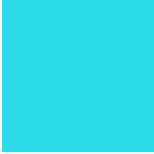
This preview shows how white text looks on a background with the CIELCh color 80, 40.520, 228.531.

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
80, 41.038, 210.489

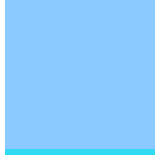
Trichromacy



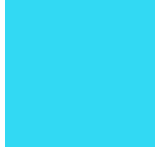
Original Color
80, 40.520, 228.531



Protanomaly
79, 28.635, 252.483



Deuteranomaly
79, 32.883, 258.778

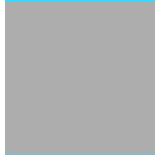


Tritanomaly
80, 40.513, 217.222

Monochromacy



Original Color
80, 40.520, 228.531



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 19.524, 221.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 40.520, 228.531 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(61, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 215, 254)  
}
```

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(61, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 215, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 40.520, 228.531 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(61, 215, 254) }
```

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

```
.border{ border-color:rgb(61, 215, 254) }
```

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

Here you see how a box with a 4 pixel rgb(61, 215, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 215, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 215, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 215,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 40.520, 228.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 215, 254) }
```

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

```
.background{ background-color: rgb(61, 215,  
254) }
```

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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