

Converting Colors

CIELCh(80, 37.836, 234.591)

Have a look what the booklet for
CIELCh(80, 37.836, 234.591)
contains.

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Color

CIELCh(80, 37.844, 234.281)

Conversions

Conversions Part 1

Format	Color
Hex	58D5FF
RGB	88, 213, 255
RGB Percent	35%, 84%, 100%
CMY	0.6564, 0.1660, 0.0013
CMYK	0.66, 0.16, 0.00, 0.00
HSL	195°, 100%, 67%
HSV	195°, 66%, 100%
XYZ	45.6969, 56.6813, 102.8605
YIQ	180.4130, -87.9820, -13.4380

Conversions

Conversions Part 2

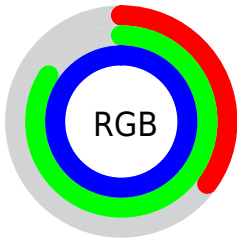
Format	Color
R _Y B	88, 159, 255
Decimal	5821951
CIE Lab	80.00, -22.09, -30.73
CIE LCh	80, 37.844, 234.281
Yxy	56.6813, 0.2227, 0.2762
Android (android.graphics.Color)	4284012031 (0xFF58D5FF)
YUV	180.4130, 36.7714, -81.0462
Hunter-Lab	75.2870, -23.4081, -28.3038

Details

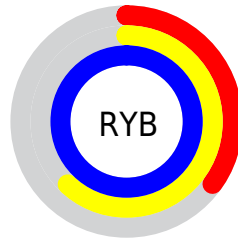
The CIELCh color **80, 37.844, 234.281** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **68, 62.627, 44.879**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **60, 36.372, 236.215** is the 20% darker color. If you saturate the color by 10%, you get **78, 40.992, 237.314**, and if you desaturate by 10%, it is **83, 33.903, 231.864**.

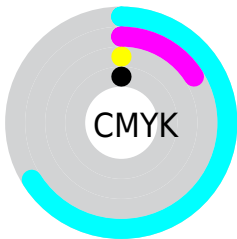
Distribution



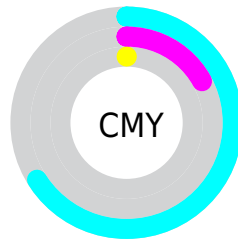
- Red (35%)
- Green (84%)
- Blue (100%)



- Red (35%)
- Yellow (62%)
- Blue (100%)



- Cyan (66%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (17%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.844, 234.281 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, 37.844, 234.281 by changing the saturation by 10% instead.


 80, 37.844,
234.281


 80, 37.844,
234.281


 100, 37.844,
234.281


 70, 37.844,
234.281

 60, 37.844,
234.281

 50, 37.844,
234.281

 40, 37.844,
234.281

 30, 37.844,
234.281

 20, 37.844,
234.281

 10, 37.844,

234.281

■ 0, 37.844, 234.281

■ 80, 37.844,
234.281

■ 80, 37.844,
234.281

■ 78, 40.992,
237.314

■ 83, 33.903,
231.864

■ 75, 43.417,
241.038

■ 85, 29.182,
229.971

■ 73, 45.283,
245.462

■ 88, 23.744,
228.507

■ 72, 46.036,
247.541

■ 91, 17.679,
227.390

■ 95, 11.091,
226.557

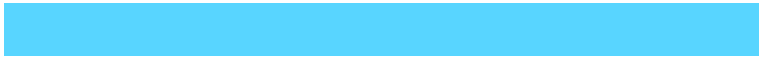
■ 98, 4.080, 226.013

100, 0.156,
109.670

Harmonies

Complementary

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



80, 37.844, 234.281



68, 62.627, 44.879

Rectangle

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



80, 37.844, 234.281



80, 37.844, 284.281



80, 37.844, 54.281



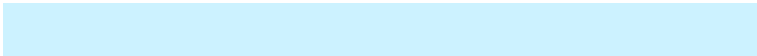
80, 37.844, 104.281

Sweetspot

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



80, 37.843, 234.280



93, 14.063, 226.892



89, 83.211, 145.406



49, 9.515, 227.132



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, 37.843, 234.280



77, 41.934, 238.502



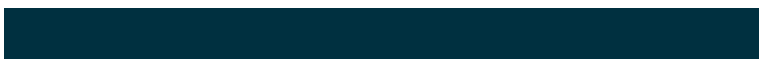
57, 71.204, 290.373



51, 4.109, 226.179



56, 36.930, 246.644



18, 16.505, 240.255

Inverse Universe

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



64, 81.588, 337.452



60, 90.879, 338.875



87, 65.282, 88.753



50, 7.600, 332.984



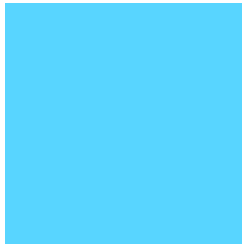
43, 76.778, 341.489



11, 36.091, 339.504

Previews

White Background



This preview shows how the CIE LCh color 80, 37.844, 234.281 looks on a white background.

Color Contrast Check

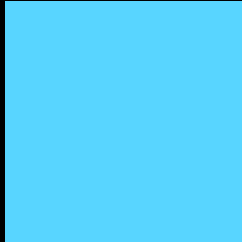
Large Text (above 18pt) WCAG AA × Fail

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, 37.844, 234.281 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, 37.844, 234.281

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.844, 234.281.

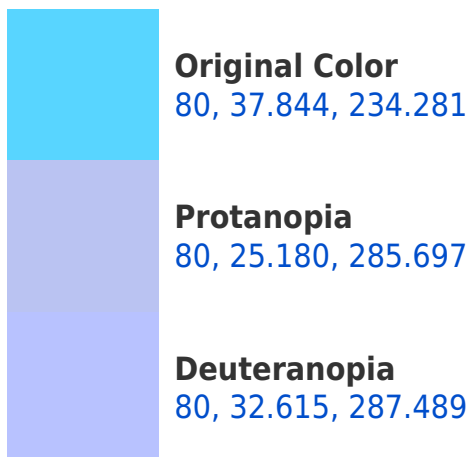


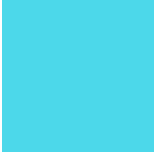
This preview shows how white text looks on a background with the CIELCh color 80, 37.844, 234.281.

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, 37.272, 212.136

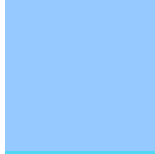
Trichromacy



Original Color
80, 37.844, 234.281



Protanomaly
79, 28.410, 259.276



Deuteranomaly
79, 32.013, 263.847

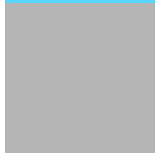


Tritanomaly
80, 36.982, 220.404

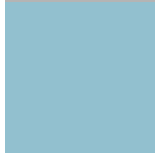
Monochromacy



Original Color
80, 37.844, 234.281



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 17.020, 227.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.844, 234.281 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(88, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 213, 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(88, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.844, 234.281 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(88, 213, 255) }
```

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

```
.border{ border-color:rgb(88, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 213,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.844, 234.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 213, 255) }
```

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

```
.background{ background-color: rgb(88, 213,  
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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