

Converting Colors

CIELCh(80, 36.083, 237.823)

Have a look what the booklet for
CIELCh(80, 36.083, 237.823)
contains.

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Color

CIELCh(80, 36.055, 237.721)

Conversions

Conversions Part 1

Format	Color
Hex	65D3FE
RGB	101, 211, 254
RGB Percent	40%, 83%, 100%
CMY	0.6027, 0.1715, 0.0028
CMYK	0.60, 0.17, 0.00, 0.00
HSL	197°, 99%, 70%
HSV	197°, 60%, 100%
XYZ	46.6977, 56.6813, 102.4801
YIQ	183.0120, -79.3630, -9.9470

Conversions

Conversions Part 2

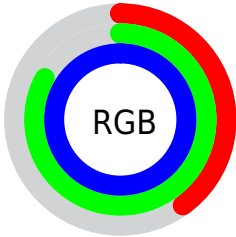
Format	Color
R _Y B	101, 165, 254
Decimal	6673406
CIE Lab	80.00, -19.25, -30.48
CIE LCh	80, 36.055, 237.721
Yxy	56.6813, 0.2268, 0.2753
Android (android.graphics.Color)	4284863486 (0xFF65D3FE)
YUV	183.0120, 34.9971, -71.9245
Hunter-Lab	75.2870, -21.0353, -28.0043

Details

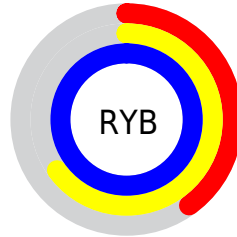
The CIELCh color **80, 36.055, 237.721** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 55.502, 47.223**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **60, 36.049, 237.969** is the 20% darker color. If you saturate the color by 10%, you get **77, 39.881, 240.703**, and if you desaturate by 10%, it is **83, 31.511, 235.337**.

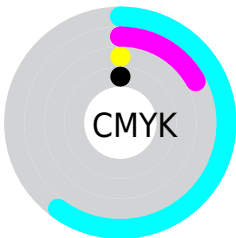
Distribution



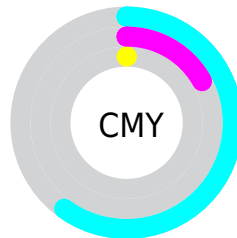
- Red (40%)
- Green (83%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 36.055, 237.721 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, 36.055, 237.721 by changing the saturation by 10% instead.

■ 80, 36.055,
237.721

■ 80, 36.055,
237.721

■ 100, 36.055,
237.721

■ 70, 36.055,
237.721

■ 60, 36.055,
237.721

■ 50, 36.055,
237.721

■ 40, 36.055,
237.721

■ 30, 36.055,
237.721

■ 20, 36.055,
237.721

■ 10, 36.055,

237.721

0, 36.055, 237.721

80, 36.055,
237.721

80, 36.055,
237.721

77, 39.881,
240.703

83, 31.511,
235.337

75, 43.028,
244.366

86, 26.283,
233.456

72, 45.620,
248.739

89, 20.438,
231.988

70, 47.881,
253.594

93, 14.068,
230.854

96, 7.264, 230.006

100, 0.117,

234.528

100, 0.353,
109.933

Harmonies

Complementary

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



80, 36.055, 237.721



71, 55.502, 47.223

Rectangle

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



80, 36.055, 237.721



80, 36.055, 287.721



80, 36.055, 57.721



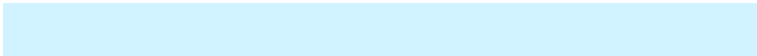
80, 36.055, 107.721

Sweetspot

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



80, 36.054, 237.720



94, 12.665, 230.648



90, 76.263, 146.825



49, 8.733, 230.930



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, 36.054, 237.720



77, 40.601, 241.331



60, 66.155, 289.724



51, 4.083, 229.962



54, 38.377, 252.654



17, 16.915, 245.824

Inverse Universe

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



66, 74.982, 338.345



62, 85.038, 339.644



88, 60.963, 90.740



50, 7.440, 334.148



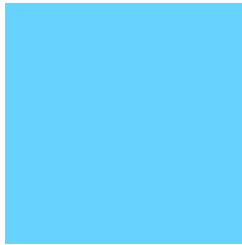
43, 75.231, 343.567



11, 35.419, 341.223

Previews

White Background



This preview shows how the CIELCh color 80, 36.055, 237.721 looks on a white background.

Color Contrast Check

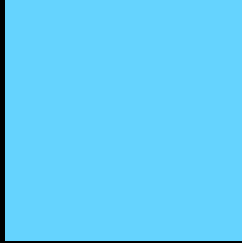
Large Text (above 18pt) WCAG AA × Fail

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, 36.055, 237.721 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

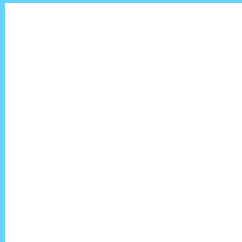
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 36.055, 237.721

Background



This preview shows how black text looks on a background with the CIELCh color 80, 36.055, 237.721.



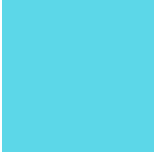
This preview shows how white text looks on a background with the CIELCh color 80, 36.055, 237.721.

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, 34.614, 212.548

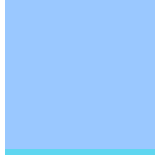
Trichromacy



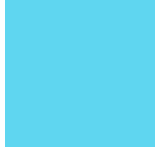
Original Color
80, 36.055, 237.721



Protanomaly
79, 27.750, 261.751



Deuteranomaly
79, 31.833, 267.067

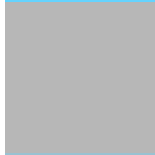


Tritanomaly
80, 34.487, 221.343

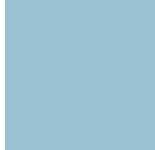
Monochromacy



Original Color
80, 36.055, 237.721



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 15.666, 232.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 36.055, 237.721 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(101, 211, 254)` looks like.

```
.text, #text, p{  
    color:rgb(101, 211, 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(101, 211, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 211, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 36.055, 237.721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

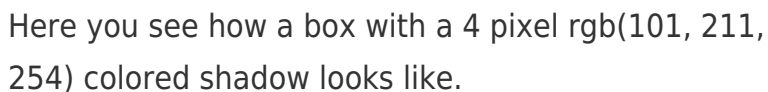
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 211, 254) }
```

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

```
.border{ border-color:rgb(101, 211, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 211, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 211, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 211, 254);  
box-shadow:4px 4px 4px 4px rgb(101, 211,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 36.055, 237.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 211, 254) }
```

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

```
.background{ background-color: rgb(101,  
211, 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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