

Converting Colors

CIELCh(80, 27.070, 234.420)

Have a look what the booklet for
CIELCh(80, 27.070, 234.420)
contains.

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Color

CIELCh(80, 27.182, 234.436)

Conversions

Conversions Part 1

Format	Color
Hex	85D1EF
RGB	133, 209, 239
RGB Percent	52%, 82%, 94%
CMY	0.4793, 0.1812, 0.0636
CMYK	0.44, 0.13, 0.00, 0.06
HSL	197°, 77%, 73%
HSV	197°, 44%, 94%
XYZ	47.9319, 56.6813, 89.9020
YIQ	189.6960, -54.9260, -6.7820

Conversions

Conversions Part 2

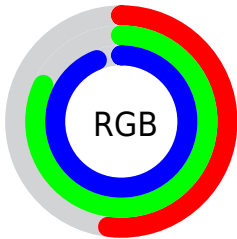
Format	Color
R_{YB}	133, 177, 239
Decimal	8770031
CIE _{Lab}	80.00, -15.81, -22.11
CIE _{LCh}	80, 27.182, 234.436
Yxy	56.6813, 0.2464, 0.2914
Android (android.graphics.Color)	4286960111 (0xFF85D1EF)
YUV	189.6960, 24.3069, -49.7224
Hunter-Lab	75.2870, -18.1092, -18.0987

Details

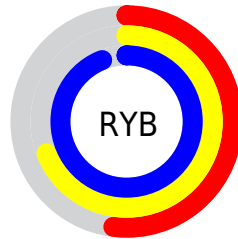
The CIELCh color **80, 27.182, 234.436** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 36.602, 47.500**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **60, 27.227, 233.624** is the 20% darker color. If you saturate the color by 10%, you get **77, 31.900, 236.514**, and if you desaturate by 10%, it is **83, 21.852, 232.801**.

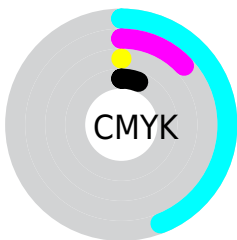
Distribution



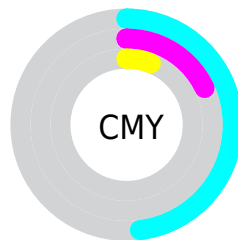
- Red (52%)
- Green (82%)
- Blue (94%)



- Red (52%)
- Yellow (69%)
- Blue (94%)



- Cyan (44%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)





- Cyan (48%)
- Magenta (18%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 27.182, 234.436 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, 27.182, 234.436 by changing the saturation by 10% instead.


 80, 27.182,
234.436


 80, 27.182,
234.436


 100, 27.182,
234.436

 70, 27.182,
234.436

 60, 27.182,
234.436

 50, 27.182,
234.436

 40, 27.182,
234.436

 30, 27.182,
234.436

 20, 27.182,
234.436

 10, 27.182,

234.436

0, 27.182, 234.436

80, 27.182,
234.436

80, 27.182,
234.436

77, 31.900,
236.514

83, 21.852,
232.801

74, 35.956,
239.135

86, 15.991,
231.530

72, 39.344,
242.388

89, 9.686, 230.559

69, 42.130,
246.337

93, 3.022, 229.921

96, 3.921, 48.982

67, 44.467,
250.976

98, 5.713, 88.928

■ 66, 45.711,
253.757

■ 100, 8.212,
109.554

Harmonies

Complementary

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



80, 27.182, 234.436



74, 36.602, 47.500

Rectangle

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



80, 27.182, 234.436



80, 27.182, 284.436



80, 27.182, 54.436



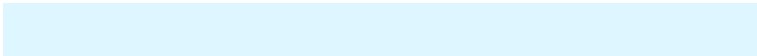
80, 27.182, 104.436

Sweetspot

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



80, 27.181, 234.434



95, 9.259, 230.449



87, 54.948, 148.994



50, 6.445, 230.632



0, 0.000, 0.000



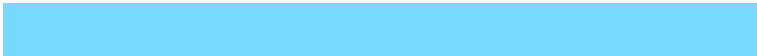
53, 0.007, 296.813

Same Dimension

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



80, 27.181, 234.434



82, 32.967, 236.237



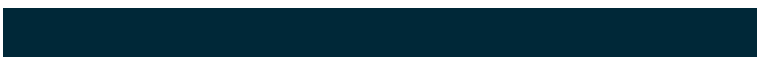
66, 45.234, 285.658



48, 3.880, 230.185



52, 37.281, 252.845



15, 15.497, 244.903

Inverse Universe

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



69, 54.705, 336.935



69, 67.651, 337.730



86, 43.197, 92.850



47, 7.062, 334.215



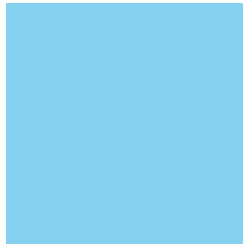
41, 72.932, 343.637



9, 32.705, 340.928

Previews

White Background



This preview shows how the CIE LCh color 80, 27.182, 234.436 looks on a white background.

Color Contrast Check

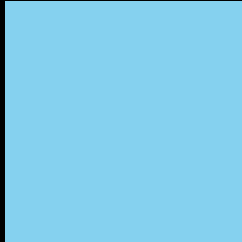
Large Text (above 18pt) WCAG AA × Fail

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, 27.182, 234.436 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, 27.182, 234.436

Background



This preview shows how black text looks on a background with the CIELCh color 80, 27.182, 234.436.



This preview shows how white text looks on a background with the CIELCh color 80, 27.182, 234.436.

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



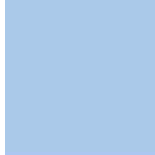


Tritanopia
80, 26.036, 218.342

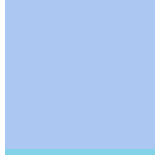
Trichromacy



Original Color
80, 27.182, 234.436



Protanomaly
80, 19.511, 260.456



Deuteranomaly
80, 23.718, 270.733

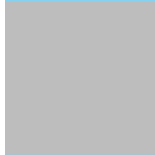


Tritanomaly
80, 26.223, 224.705

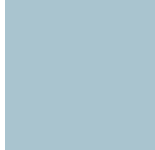
Monochromacy



Original Color
80, 27.182, 234.436



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 10.896, 231.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 27.182, 234.436 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(133, 209, 239)` looks like.

```
.text, #text, p{  
    color:rgb(133, 209, 239)  
}
```

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(133, 209, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 209, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 27.182, 234.436 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(133, 209, 239) }
```

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

```
.border{ border-color:rgb(133, 209, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 209, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 209, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 209, 239);  
box-shadow:4px 4px 4px 4px rgb(133, 209,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 27.182, 234.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 209, 239) }
```

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

```
.background{ background-color: rgb(133,  
209, 239) }
```

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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