

Converting Colors

CIELCh(80, 27.041, 233.937)

Have a look what the booklet for
CIELCh(80, 27.041, 233.937)
contains.

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Color

CIELCh(80, 26.948, 233.381)

Conversions

Conversions Part 1

Format	Color
Hex	85D1EE
RGB	133, 209, 238
RGB Percent	52%, 82%, 93%
CMY	0.4789, 0.1809, 0.0672
CMYK	0.44, 0.12, 0.00, 0.07
HSL	197°, 75%, 73%
HSV	197°, 44%, 93%
XYZ	47.8362, 56.6813, 89.2100
YIQ	189.5820, -54.6050, -7.0930

Conversions

Conversions Part 2

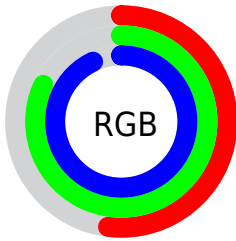
Format	Color
RYB	133, 177, 238
Decimal	8770030
CIELab	80.00, -16.07, -21.63
CIELCh	80, 26.948, 233.381
Yxy	56.6813, 0.2469, 0.2926
Android (android.graphics.Color)	4286960110 (0xFF85D1EE)
YUV	189.5820, 23.8701, -49.6224
Hunter-Lab	75.2870, -18.3360, -17.5537

Details

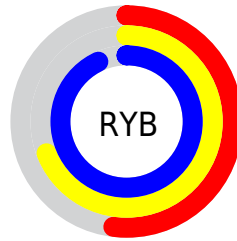
The CIELCh color **80, 26.948, 233.381** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 36.343, 46.830**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **60, 26.839, 232.720** is the 20% darker color. If you saturate the color by 10%, you get **77, 31.634, 235.393**, and if you desaturate by 10%, it is **83, 21.641, 231.803**.

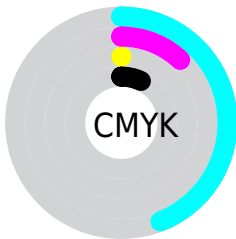
Distribution



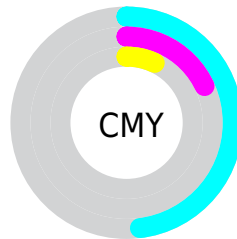
- Red (52%)
- Green (82%)
- Blue (93%)



- Red (52%)
- Yellow (69%)
- Blue (93%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)





- Cyan (48%)
- Magenta (18%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 26.948, 233.381 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, 26.948, 233.381 by changing the saturation by 10% instead.


 80, 26.948,
233.381


 80, 26.948,
233.381


 100, 26.948,
233.381


 70, 26.948,
233.381

 60, 26.948,
233.381

 50, 26.948,
233.381

 40, 26.948,
233.381

 30, 26.948,
233.381

 20, 26.948,
233.381

 10, 26.948,

233.381

0, 26.948, 233.381

80, 26.948,
233.381

80, 26.948,
233.381

77, 31.634,
235.393

83, 21.641,
231.803

74, 35.646,
237.939

86, 15.796,
230.582

72, 38.973,
241.109

89, 9.502, 229.654

70, 41.676,
244.972

93, 2.847, 229.066

96, 4.092, 48.153

68, 43.903,
249.531

98, 5.797, 85.261

■ 66, 45.122,
252.404

■ 100, 8.599,
109.192

■ 100, 8.669,
109.520

Harmonies

Complementary

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



80, 26.948, 233.381



73, 36.343, 46.830

Rectangle

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



80, 26.948, 233.381



80, 26.948, 283.381



80, 26.948, 53.381



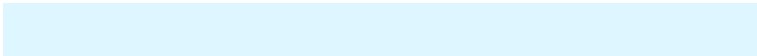
80, 26.948, 103.381

Sweetspot

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



80, 26.947, 233.379



95, 9.267, 229.570



86, 54.487, 149.026



50, 6.450, 229.745



0, 0.000, 0.000



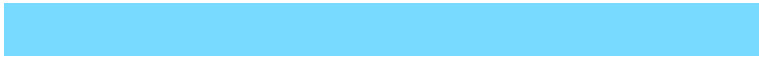
53, 0.007, 296.813

Same Dimension

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



80, 26.947, 233.379



82, 32.908, 235.182



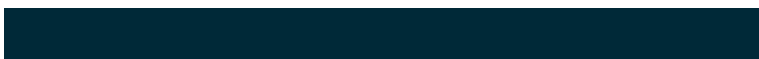
66, 44.824, 285.599



48, 3.884, 229.318



52, 36.925, 251.512



15, 15.407, 243.672

Inverse Universe

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



69, 54.498, 336.612



69, 67.952, 337.416



86, 42.824, 92.884



47, 7.096, 333.944



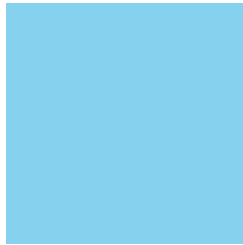
41, 73.263, 343.153



9, 32.841, 340.541

Previews

White Background



This preview shows how the CIELCh color 80, 26.948, 233.381 looks on a white background.

Color Contrast Check

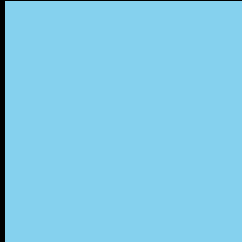
Large Text (above 18pt) WCAG AA × Fail

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, 26.948, 233.381 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, 26.948, 233.381

Background



This preview shows how black text looks on a background with the CIELCh color 80, 26.948, 233.381.



This preview shows how white text looks on a background with the CIELCh color 80, 26.948, 233.381.

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, 26.948, 233.381

Protanopia

80, 17.650, 286.233

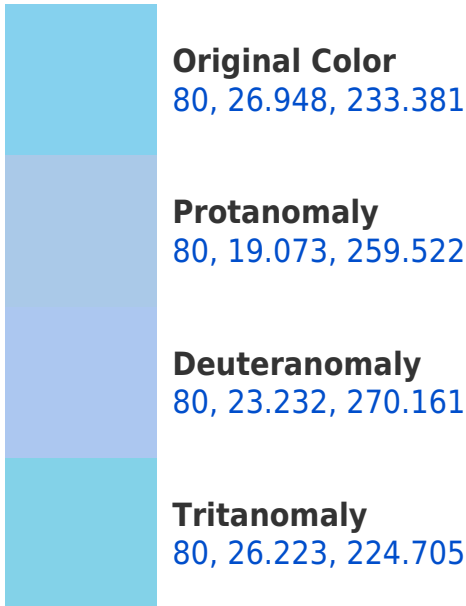
Deuteranopia

80, 25.663, 293.917



Tritanopia
80, 26.036, 218.342

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 26.948, 233.381 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(133, 209, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 209, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 26.948, 233.381 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, 238) }
```

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

```
.border{ border-color:rgb(133, 209, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 209, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 209, 238);  
box-shadow:4px 4px 4px 4px rgb(133, 209,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 26.948, 233.381 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, 238) }
```

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

```
.background{ background-color: rgb(133,  
209, 238) }
```

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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