

Converting Colors

CIELCh(80, 31.754, 238.152)

Have a look what the booklet for
CIELCh(80, 31.754, 238.152)
contains.

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Color

CIELCh(80, 31.734, 238.042)

Conversions

Conversions Part 1

Format	Color
Hex	78D2F8
RGB	120, 210, 248
RGB Percent	47%, 82%, 97%
CMY	0.5306, 0.1776, 0.0286
CMYK	0.52, 0.15, 0.00, 0.03
HSL	198°, 90%, 72%
HSV	198°, 52%, 97%
XYZ	47.5760, 56.6813, 96.9988
YIQ	187.4220, -65.8380, -7.2620

Conversions

Conversions Part 2

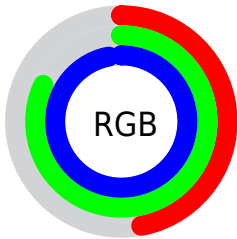
Format	Color
R _Y B	120, 173, 248
Decimal	7918328
CIE Lab	80.00, -16.80, -26.92
CIE LCh	80, 31.734, 238.042
Yxy	56.6813, 0.2364, 0.2816
Android (android.graphics.Color)	4286108408 (0xFF78D2F8)
YUV	187.4220, 29.8650, -59.1291
Hunter-Lab	75.2870, -18.9529, -23.6876

Details

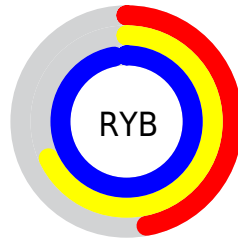
The CIELCh color **80, 31.734, 238.042** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 44.941, 48.704**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.270, 197.921**, and **60, 31.874, 239.168** is the 20% darker color. If you saturate the color by 10%, you get **77, 36.195, 240.628**, and if you desaturate by 10%, it is **83, 26.629, 235.983**.

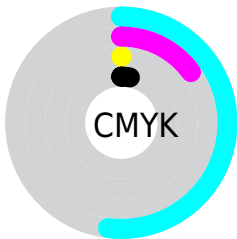
Distribution



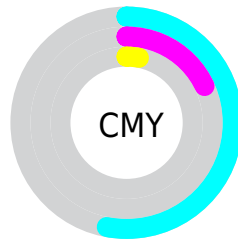
- Red (47%)
- Green (82%)
- Blue (97%)



- Red (47%)
- Yellow (68%)
- Blue (97%)



- Cyan (52%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (53%)
- Magenta (18%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.734, 238.042 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, 31.734, 238.042 by changing the saturation by 10% instead.


 80, 31.734,
238.042


 80, 31.734,
238.042


 100, 31.734,
238.042


 70, 31.734,
238.042

 60, 31.734,
238.042

 50, 31.734,
238.042

 40, 31.734,
238.042

 30, 31.734,
238.042

 20, 31.734,
238.042

 10, 31.734,

238.042

0, 31.734, 238.042

80, 31.734,
238.042

80, 31.734,
238.042

77, 36.195,
240.628

83, 26.629,
235.983

74, 40.001,
243.837

86, 20.940,
234.361

72, 43.204,
247.735

90, 14.748,
233.094

69, 45.943,
252.327

93, 8.139, 232.125

67, 48.070,
256.524

97, 1.196, 231.766

100, 3.117,
102.265

100, 3.689,
109.882

Harmonies

Complementary

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



80, 31.734, 238.042



73, 44.941, 48.704

Rectangle

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



80, 31.734, 238.042



80, 31.734, 288.042



80, 31.734, 58.042



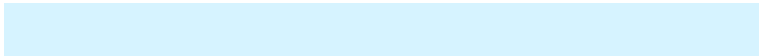
80, 31.734, 108.042

Sweetspot

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



80, 31.733, 238.041



94, 11.304, 232.511



89, 64.382, 148.651



49, 7.594, 232.713



0, 0.000, 0.000



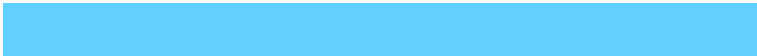
53, 0.007, 296.813

Same Dimension

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



80, 31.733, 238.041



79, 37.176, 240.749



63, 56.098, 288.383



50, 4.009, 231.954



52, 38.878, 255.594



16, 16.695, 248.252

Inverse Universe

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



68, 64.081, 338.242



65, 76.146, 339.309



88, 52.358, 93.044



49, 7.236, 334.775



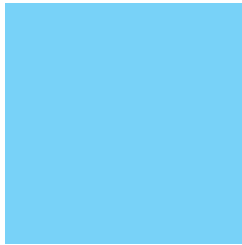
42, 73.741, 344.679



10, 34.205, 342.022

Previews

White Background



This preview shows how the CIELCh color 80, 31.734, 238.042 looks on a white background.

Color Contrast Check

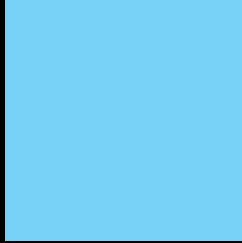
Large Text (above 18pt) WCAG AA × Fail

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, 31.734, 238.042 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, 31.734, 238.042

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.734, 238.042.

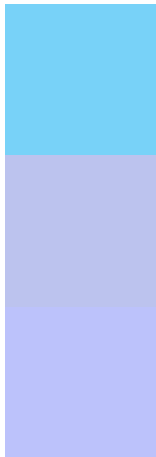


This preview shows how white text looks on a background with the CIELCh color 80, 31.734, 238.042.

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, 31.734, 238.042

Protanopia

80, 23.012, 286.442

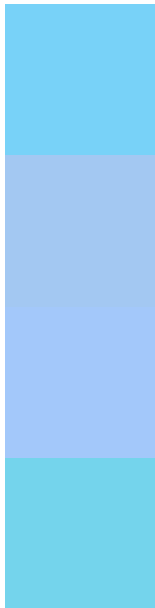
Deuteranopia

80, 30.429, 289.228



Tritanopia
80, 30.034, 215.247

Trichromacy



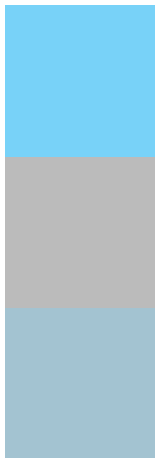
Original Color
80, 31.734, 238.042

Protanomaly
79, 24.834, 264.137

Deuteranomaly
80, 28.557, 268.912

Tritanomaly
80, 30.087, 223.073

Monochromacy



Original Color
80, 31.734, 238.042

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 13.045, 234.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.734, 238.042 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(120, 210, 248)` looks like.

```
.text, #text, p{  
    color:rgb(120, 210, 248)  
}
```

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(120, 210, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 210, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.734, 238.042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

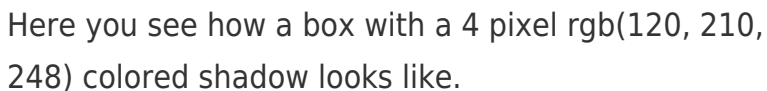
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 210, 248) }
```

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

```
.border{ border-color:rgb(120, 210, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 210, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 210, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 210, 248); box-shadow:4px 4px 4px 4px rgb(120, 210, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.734, 238.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 210, 248) }
```

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

```
.background{ background-color: rgb(120,  
210, 248) }
```

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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