

Converting Colors

CIELCh(80, 31.793, 236.936)

Have a look what the booklet for
CIELCh(80, 31.793, 236.936)
contains.

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Color

CIELCh(80, 31.817, 236.638)

Conversions

Conversions Part 1

Format	Color
Hex	76D2F7
RGB	118, 210, 247
RGB Percent	46%, 82%, 97%
CMY	0.5371, 0.1763, 0.0312
CMYK	0.52, 0.15, 0.00, 0.03
HSL	197°, 89%, 72%
HSV	197°, 52%, 97%
XYZ	47.3247, 56.6813, 96.4701
YIQ	186.7100, -66.7090, -7.9970

Conversions

Conversions Part 2

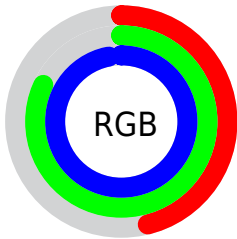
Format	Color
R _Y B	118, 172, 247
Decimal	7787255
CIE Lab	80.00, -17.50, -26.57
CIE LCh	80, 31.817, 236.638
Yxy	56.6813, 0.2361, 0.2827
Android (android.graphics.Color)	4285977335 (0xFF76D2F7)
YUV	186.7100, 29.7230, -60.2587
Hunter-Lab	75.2870, -19.5488, -23.2712

Details

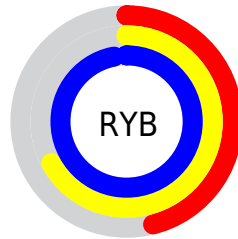
The CIELCh color **80, 31.817, 236.638** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 45.577, 47.757**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **60, 31.948, 237.665** is the 20% darker color. If you saturate the color by 10%, you get **77, 36.157, 239.175**, and if you desaturate by 10%, it is **83, 26.809, 234.625**.

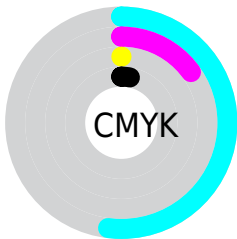
Distribution



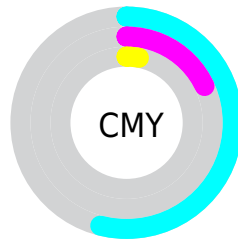
- Red (46%)
- Green (82%)
- Blue (97%)



- Red (46%)
- Yellow (67%)
- Blue (97%)



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



- Cyan (54%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 31.817, 236.638 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, 31.817, 236.638 by changing the saturation by 10% instead.

■ 80, 31.817,
236.638

■ 80, 31.817,
236.638

■ 100, 31.817,
236.638

■ 70, 31.817,
236.638

■ 60, 31.817,
236.638

■ 50, 31.817,
236.638

■ 40, 31.817,
236.638

■ 30, 31.817,
236.638

■ 20, 31.817,
236.638

■ 10, 31.817,

236.638

0, 31.817, 236.638

80, 31.817,
236.638

80, 31.817,
236.638

77, 36.157,
239.175

83, 26.809,
234.625

74, 39.816,
242.333

86, 21.197,
233.046

72, 42.847,
246.181

90, 15.062,
231.819

70, 45.390,
250.729

93, 8.493, 230.885

68, 47.217,
254.612

96, 1.577, 230.446

99, 2.912, 92.658

100, 4.027,
109.858

Harmonies

Complementary

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



80, 31.817, 236.638



73, 45.577, 47.757

Rectangle

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



80, 31.817, 236.638



80, 31.817, 286.638



80, 31.817, 56.638



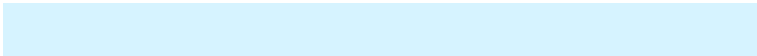
80, 31.817, 106.638

Sweetspot

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



80, 31.816, 236.637



94, 11.309, 231.208



88, 64.855, 148.578



50, 7.596, 231.399



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, 31.816, 236.637



79, 37.398, 239.429



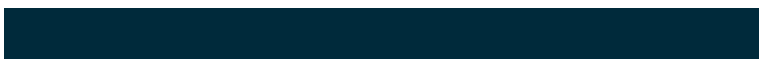
63, 56.611, 288.516



49, 3.946, 230.681



52, 37.893, 253.647



15, 16.040, 246.047

Inverse Universe

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



68, 64.942, 337.828



65, 77.548, 338.920



88, 52.769, 92.975



48, 7.165, 334.371



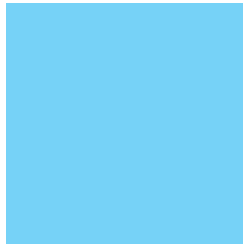
41, 73.484, 343.935



10, 33.523, 341.295

Previews

White Background



This preview shows how the CIELCh color 80, 31.817, 236.638 looks on a white background.

Color Contrast Check

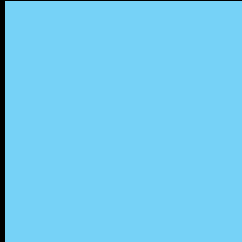
Large Text (above 18pt) WCAG AA × Fail

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, 31.817, 236.638 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, 31.817, 236.638

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.817, 236.638.



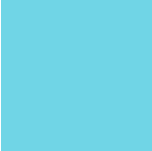
This preview shows how white text looks on a background with the CIELCh color 80, 31.817, 236.638.

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



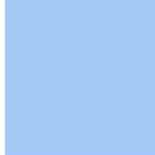


Tritanopia
80, 30.448, 214.974

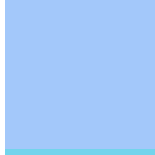
Trichromacy



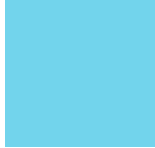
Original Color
80, 31.817, 236.638



Protanomaly
79, 24.381, 263.445



Deuteranomaly
80, 28.557, 268.912

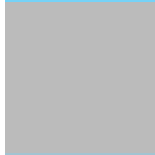


Tritanomaly
80, 30.480, 222.701

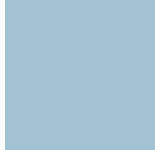
Monochromacy



Original Color
80, 31.817, 236.638



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 13.309, 233.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.817, 236.638 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(118, 210, 247)` looks like.

```
.text, #text, p{  
    color:rgb(118, 210, 247)  
}
```

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(118, 210, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 210, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.817, 236.638 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(118, 210, 247) }
```

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

```
.border{ border-color:rgb(118, 210, 247) }
```

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

Here you see how a box with a 4 pixel rgb(118, 210, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 210, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 210, 247);  
box-shadow:4px 4px 4px 4px rgb(118, 210,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.817, 236.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 210, 247) }
```

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

```
.background{ background-color: rgb(118,  
210, 247) }
```

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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