

Converting Colors

CIELCh(80, 29.836, 246.034)

Have a look what the booklet for
CIELCh(80, 29.836, 246.034)
contains.

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Color

CIELCh(80, 29.788, 245.982)

Conversions

Conversions Part 1

Format	Color
Hex	86CFF8
RGB	134, 207, 248
RGB Percent	53%, 81%, 97%
CMY	0.4732, 0.1869, 0.0261
CMYK	0.46, 0.17, 0.00, 0.03
HSL	202°, 90%, 75%
HSV	202°, 46%, 97%
XYZ	49.2756, 56.6813, 97.4298
YIQ	189.8470, -56.6690, -2.7250

Conversions

Conversions Part 2

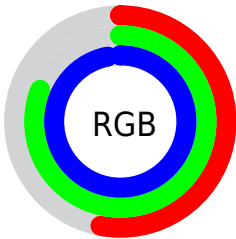
Format	Color
RYB	134, 179, 248
Decimal	8835064
CIELab	80.00, -12.12, -27.21
CIELCh	80, 29.788, 245.982
Yxy	56.6813, 0.2423, 0.2787
Android (android.graphics.Color)	4287025144 (0xFF86CFF8)
YUV	189.8470, 28.6694, -48.9778
Hunter-Lab	75.2870, -14.9232, -24.0270

Details

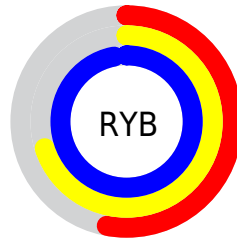
The CIELCh color **80, 29.788, 245.982** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **78, 38.517, 55.210**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **60, 29.529, 245.217** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.140, 248.630**, and if you desaturate by 10%, it is **84, 23.960, 243.833**.

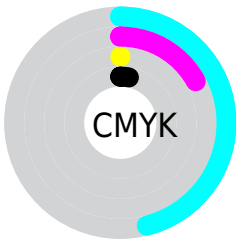
Distribution



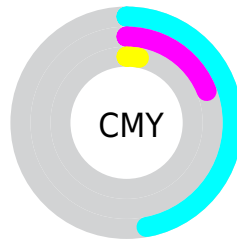
- Red (53%)
- Green (81%)
- Blue (97%)



- Red (53%)
- Yellow (70%)
- Blue (97%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)





- Cyan (47%)
- Magenta (19%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.788, 245.982 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, 29.788, 245.982 by changing the saturation by 10% instead.


 80, 29.788,
245.982


 80, 29.788,
245.982


 100, 29.788,
245.982


 70, 29.788,
245.982

 60, 29.788,
245.982

 50, 29.788,
245.982

 40, 29.788,
245.982

 30, 29.788,
245.982

 20, 29.788,
245.982

 10, 29.788,

245.982

0, 29.788, 245.982

80, 29.788,
245.982

80, 29.788,
245.982

76, 35.140,
248.630

84, 23.960,
243.833

73, 40.003,
251.863

87, 17.708,
242.103

70, 44.414,
255.741

91, 11.096,
240.719

67, 48.482,
260.264

95, 4.192, 239.666

64, 52.390,
265.328

99, 2.119, 80.110

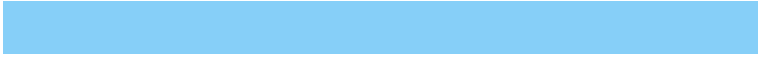
100, 3.364,
109.904

■ 63, 54.025,
267.432

Harmonies

Complementary

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



80, 29.788, 245.982



78, 38.517, 55.210

Rectangle

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



80, 29.788, 245.982



80, 29.788, 295.982



80, 29.788, 65.982



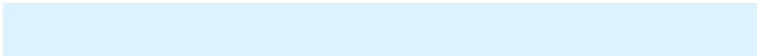
80, 29.788, 115.982

Sweetspot

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



80, 29.787, 245.981



94, 10.014, 240.493



90, 54.832, 151.995



49, 6.886, 240.753



0, 0.000, 0.000



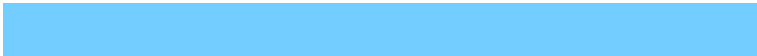
53, 0.007, 296.813

Same Dimension

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



80, 29.787, 245.981



79, 35.419, 248.390



65, 53.804, 290.506



50, 4.032, 239.997



49, 43.441, 266.484



14, 18.102, 258.842

Inverse Universe

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



71, 55.421, 340.716



68, 66.510, 341.746



91, 49.513, 98.024



49, 6.919, 337.465



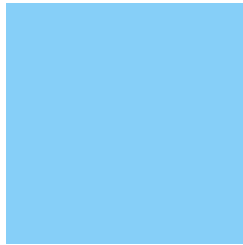
41, 71.053, 349.565



10, 32.996, 345.997

Previews

White Background



This preview shows how the CIELCh color 80, 29.788, 245.982 looks on a white background.

Color Contrast Check

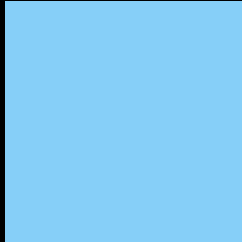
Large Text (above 18pt) WCAG AA × Fail

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, 29.788, 245.982 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

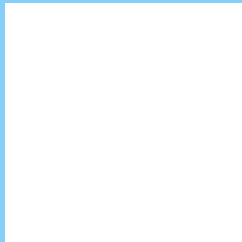
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 29.788, 245.982

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.788, 245.982.

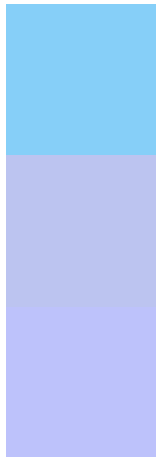


This preview shows how white text looks on a background with the CIELCh color 80, 29.788, 245.982.

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, 29.788, 245.982

Protanopia

80, 23.546, 285.830

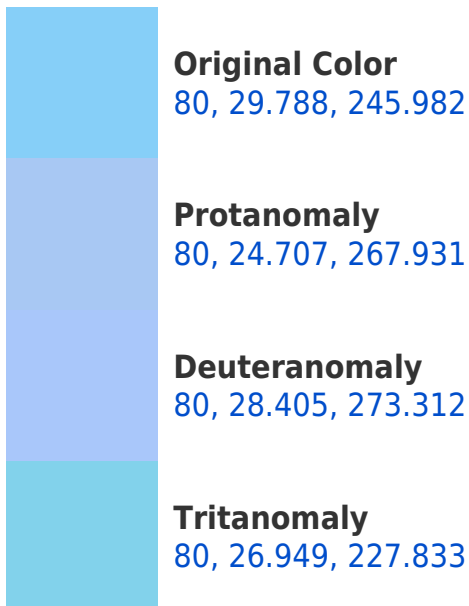
Deuteranopia

80, 30.416, 289.824

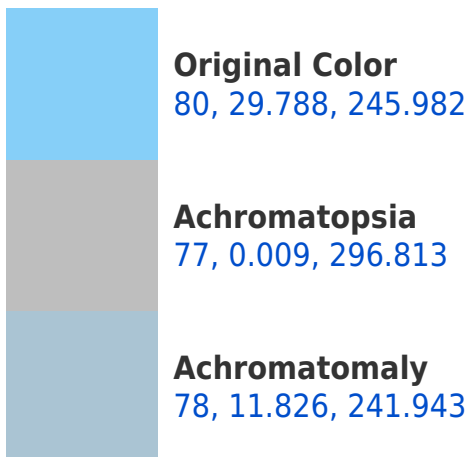


Tritanopia
80, 26.500, 217.939

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.788, 245.982 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(134, 207, 248)` looks like.

```
.text, #text, p{  
    color:rgb(134, 207, 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(134, 207, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 207, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.788, 245.982 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(134, 207, 248) }
```

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

```
.border{ border-color:rgb(134, 207, 248) }
```

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

Here you see how a box with a 4 pixel rgb(134, 207, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 207, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 207, 248);  
box-shadow:4px 4px 4px 4px rgb(134, 207,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.788, 245.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 207, 248) }
```

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

```
.background{ background-color: rgb(134,  
207, 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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