

Converting Colors

CIELCh(80, 33.209, 244.804)

Have a look what the booklet for
CIELCh(80, 33.209, 244.804)
contains.

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Color

CIELCh(80, 33.254, 244.781)

Conversions

Conversions Part 1

Format	Color
Hex	7AD1FE
RGB	122, 209, 254
RGB Percent	48%, 82%, 100%
CMY	0.5230, 0.1817, 0.0053
CMYK	0.52, 0.18, 0.00, 0.01
HSL	200°, 98%, 74%
HSV	200°, 52%, 99%
XYZ	48.5271, 56.6813, 101.8563
YIQ	188.1170, -66.2970, -4.4490

Conversions

Conversions Part 2

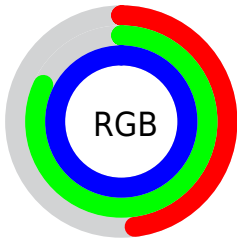
Format	Color
R _Y B	122, 174, 254
Decimal	8049150
CIE Lab	80.00, -14.17, -30.08
CIE LCh	80, 33.254, 244.781
Yxy	56.6813, 0.2344, 0.2737
Android (android.graphics.Color)	4286239230 (0xFF7AD1FE)
YUV	188.1170, 32.4803, -57.9846
Hunter-Lab	75.2870, -16.6981, -27.5130

Details

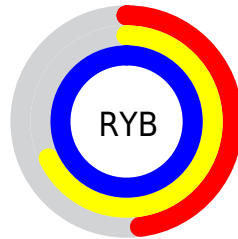
The CIELCh color **80, 33.254, 244.781** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **76, 45.585, 52.939**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.704, 197.956**, and **60, 33.075, 244.202** is the 20% darker color. If you saturate the color by 10%, you get **77, 38.182, 247.690**, and if you desaturate by 10%, it is **84, 27.777, 242.425**.

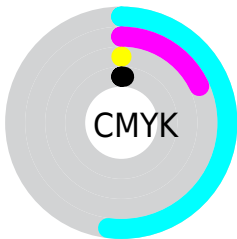
Distribution



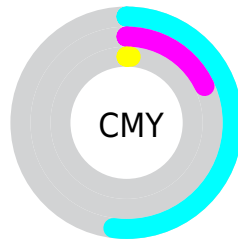
- Red (48%)
- Green (82%)
- Blue (100%)



- Red (48%)
- Yellow (68%)
- Blue (100%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)





- Cyan (52%)
- Magenta (18%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.254, 244.781 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, 33.254, 244.781 by changing the saturation by 10% instead.


 80, 33.254,
244.781


 80, 33.254,
244.781


 100, 33.254,
244.781


 70, 33.254,
244.781


 60, 33.254,
244.781

 50, 33.254,
244.781

 40, 33.254,
244.781

 30, 33.254,
244.781

 20, 33.254,
244.781

 10, 33.254,

244.781

■ 0, 33.254, 244.781

■ 80, 33.254,
244.781

■ 80, 33.254,
244.781

■ 77, 38.182,
247.690

■ 84, 27.777,
242.425

■ 73, 42.571,
251.233

■ 87, 21.793,
240.534

■ 70, 46.496,
255.450

■ 91, 15.366,
239.026

■ 68, 50.114,
260.300

■ 95, 8.572, 237.838

■ 66, 52.957,
264.426

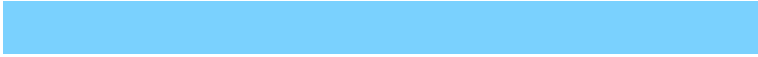
■ 99, 1.483, 237.183

■ 100, 0.672,
110.013

Harmonies

Complementary

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



80, 33.254, 244.781



76, 45.585, 52.939

Rectangle

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



80, 33.254, 244.781



80, 33.254, 294.781



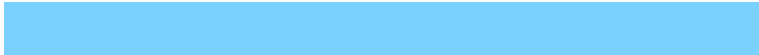
80, 33.254, 64.781



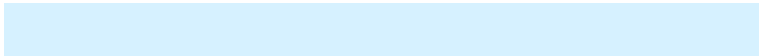
80, 33.254, 114.781

Sweetspot

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



80, 33.253, 244.780



94, 11.349, 238.272



91, 63.484, 150.493



49, 7.629, 238.517



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, 33.253, 244.780



77, 38.324, 247.682



63, 61.480, 291.119



51, 4.084, 237.587



50, 42.365, 263.463



16, 18.160, 256.215

Inverse Universe

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



69, 63.897, 340.429



65, 74.088, 341.595



92, 55.973, 96.275



50, 7.130, 336.630



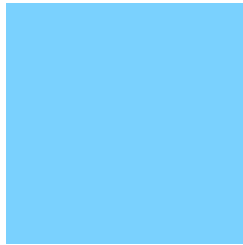
42, 72.507, 348.065



11, 34.193, 344.924

Previews

White Background



This preview shows how the CIELCh color 80, 33.254, 244.781 looks on a white background.

Color Contrast Check

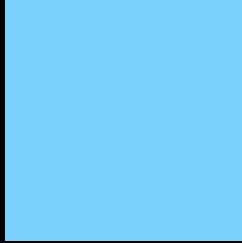
Large Text (above 18pt) WCAG AA × Fail

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, 33.254, 244.781 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

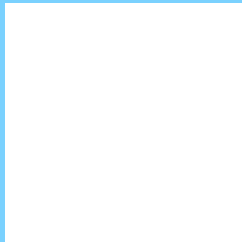
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 33.254, 244.781

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.254, 244.781.



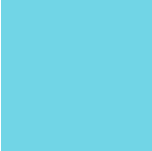
This preview shows how white text looks on a background with the CIELCh color 80, 33.254, 244.781.

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, 30.242, 215.109

Trichromacy



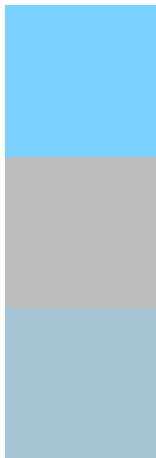
Original Color
80, 33.254, 244.781

Protanomaly
80, 27.613, 267.831

Deuteranomaly
79, 31.460, 271.819

Tritanomaly
80, 30.485, 227.357

Monochromacy



Original Color
80, 33.254, 244.781

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 13.610, 238.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.254, 244.781 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(122, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(122, 209, 254)  
}
```

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(122, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 209, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.254, 244.781 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(122, 209, 254) }
```

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

```
.border{ border-color:rgb(122, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 209, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 209, 254); box-shadow:4px 4px 4px 4px rgb(122, 209, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.254, 244.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 209, 254) }
```

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

```
.background{ background-color: rgb(122,  
209, 254) }
```

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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