

Converting Colors

CIELCh(80, 74.951, 132.435)

Have a look what the booklet for
CIELCh(80, 74.951, 132.435)
contains.

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Color

CIELCh(80, 74.700, 132.398)

Conversions

Conversions Part 1

Format	Color
Hex	81DC58
RGB	129, 220, 88
RGB Percent	51%, 86%, 35%
CMY	0.4933, 0.1365, 0.6541
CMYK	0.41, 0.00, 0.60, 0.14
HSL	101°, 65%, 60%
HSV	101°, 60%, 86%
XYZ	36.4982, 56.6813, 18.2903
YIQ	177.7430, -11.8640, -60.3440

Conversions

Conversions Part 2

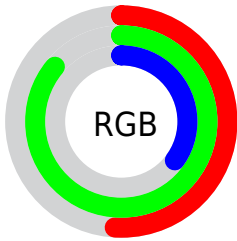
Format	Color
RYB	88, 220, 179
Decimal	8510552
CIELab	80.00, -50.37, 55.16
CIElCh	80, 74.700, 132.398
Yxy	56.6813, 0.3274, 0.5085
Android (android.graphics.Color)	4286700632 (0xFF81DC58)
YUV	177.7430, -44.2433, -42.7476
Hunter-Lab	75.2870, -45.2176, 38.2969

Details

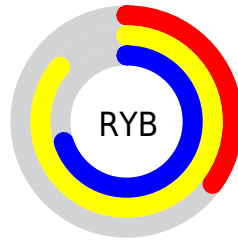
The CIELCh color **80, 74.700, 132.398** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **54, 78.012, 317.779**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 62.020, 130.444**, and **60, 74.540, 132.373** is the 20% darker color. If you saturate the color by 10%, you get **79, 84.865, 132.072**, and if you desaturate by 10%, it is **81, 63.313, 132.879**.

Distribution



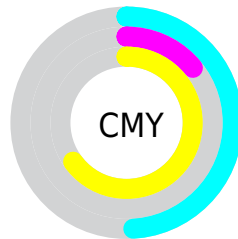
- Red (51%)
- Green (86%)
- Blue (35%)



- Red (35%)
- Yellow (86%)
- Blue (70%)



- Cyan (41%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)




- Cyan (49%)
- Magenta (14%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 74.700, 132.398 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, 74.700, 132.398 by changing the saturation by 10% instead.


 80, 74.700,
132.398


 80, 74.700,
132.398


 100, 74.700,
132.398


 70, 74.700,
132.398

 60, 74.700,
132.398

 50, 74.700,
132.398

 40, 74.700,
132.398

 30, 74.700,
132.398

 20, 74.700,
132.398

 10, 74.700,

132.398

■ 0, 74.700, 132.398

■ 80, 74.700,
132.398

■ 80, 74.700,
132.398

■ 79, 84.865,
132.072

■ 81, 63.313,
132.879

■ 79, 93.262,
132.023

■ 82, 51.144,
133.423

■ 78, 99.373,
132.376

■ 83, 38.517,
133.973

■ 78, 103.200,
133.097

■ 85, 25.668,
134.497

■ 78, 103.217,
133.100

■ 86, 12.765,
134.984

■ 88, 0.074, 312.824

■ 90, 12.763,
315.763

■ 91, 20.988,
321.635

■ 92, 21.782,
325.182

Harmonies

Complementary

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



80, 74.700, 132.398



54, 78.012, 317.779

Rectangle

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



80, 74.700, 132.398



80, 74.700, 182.398



80, 74.700, 312.398



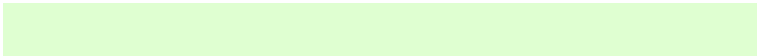
80, 74.700, 2.398

Sweetspot

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



80, 74.701, 132.399



97, 26.079, 134.588



75, 51.173, 84.403



51, 18.129, 134.440



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, 74.701, 132.399



90, 97.507, 132.027



79, 72.066, 144.173



45, 7.257, 135.008



62, 86.138, 132.891



16, 31.053, 134.066

Inverse Universe

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



54, 78.012, 317.779



56, 102.200, 317.937



58, 71.093, 333.920



43, 7.318, 315.774



32, 89.834, 317.075



4, 32.735, 316.928

Previews

White Background



This preview shows how the CIELCh color 80, 74.700, 132.398 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, 74.700, 132.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

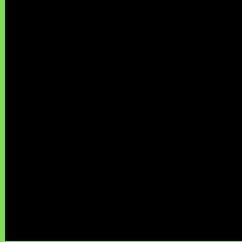
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 74.700, 132.398

Background



This preview shows how black text looks on a background with the CIELCh color 80, 74.700, 132.398.

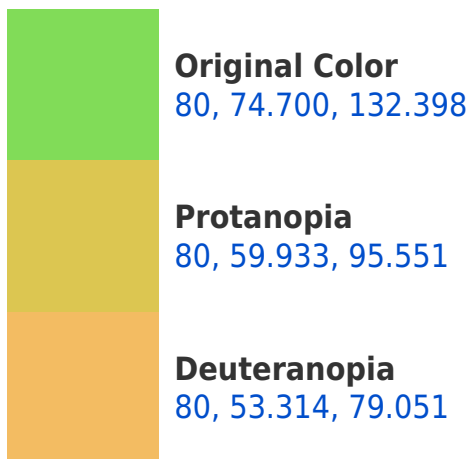


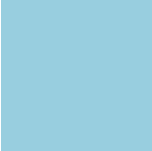
This preview shows how white text looks on a background with the CIELCh color 80, 74.700, 132.398.

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, 19.390, 226.380

Trichromacy



Original Color
80, 74.700, 132.398



Protanomaly
79, 61.615, 112.168



Deuteranomaly
79, 54.118, 104.304

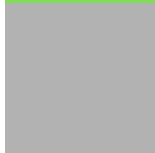


Tritanomaly
79, 31.189, 158.058

Monochromacy



Original Color
80, 74.700, 132.398



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 28.738, 134.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 74.700, 132.398 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(129, 220, 88)` looks like.

```
.text, #text, p{  
    color:rgb(129, 220, 88)  
}
```

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(129, 220, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 220, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 74.700, 132.398 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(129, 220, 88) }
```

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

```
.border{ border-color:rgb(129, 220, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 220, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 220, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 220, 88);  
box-shadow:4px 4px 4px 4px rgb(129, 220,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 74.700, 132.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 220, 88) }
```

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

```
.background{ background-color: rgb(129,  
220, 88) }
```

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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