

Converting Colors

CIELCh(81, 75.199, 130.480)

Have a look what the booklet for
CIELCh(81, 75.199, 130.480)
contains.

CIELCh(81, 75.179, 130.488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(81, 75.179, 130.488)

Conversions

Conversions Part 1

Format	Color
Hex	89DE56
RGB	137, 222, 86
RGB Percent	54%, 87%, 34%
CMY	0.4613, 0.1279, 0.6613
CMYK	0.38, 0.00, 0.61, 0.13
HSL	97°, 68%, 61%
HSV	97°, 61%, 87%
XYZ	38.2942, 58.4711, 18.1473
YIQ	181.0810, -7.0040, -60.3160

Conversions

Conversions Part 2

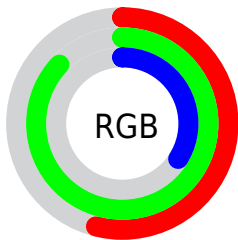
Format	Color
RYB	86, 222, 171
Decimal	9035350
CIELab	81.00, -48.81, 57.18
CIElCh	81, 75.179, 130.488
Yxy	58.4711, 0.3332, 0.5088
Android (android.graphics.Color)	4287225430 (0xFF89DE56)
YUV	181.0810, -46.8749, -38.6590
Hunter-Lab	76.4664, -44.4238, 39.4555

Details

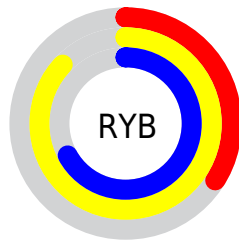
The CIELCh color **81, 75.179, 130.488** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **53, 79.819, 315.843**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 61.657, 127.711**, and **61, 75.082, 130.366** is the 20% darker color. If you saturate the color by 10%, you get **80, 85.081, 130.288**, and if you desaturate by 10%, it is **82, 64.027, 130.879**.

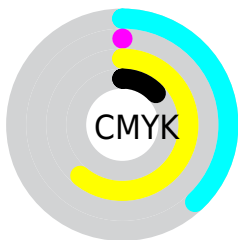
Distribution



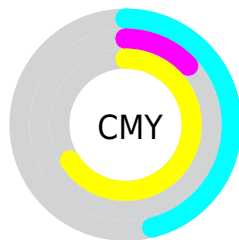
- Red (54%)
- Green (87%)
- Blue (34%)



- Red (34%)
- Yellow (87%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (61%)
- Black (13%)





- Cyan (46%)
- Magenta (13%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 75.179, 130.488 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 81, 75.179, 130.488 by changing the saturation by 10% instead.

 81, 75.179,
130.488

 81, 75.179,
130.488

 100, 75.179,
130.488

 71, 75.179,
130.488

 61, 75.179,
130.488

 51, 75.179,
130.488

 41, 75.179,
130.488

 31, 75.179,
130.488

 21, 75.179,
130.488

 11, 75.179,

130.488

■ 1, 75.179, 130.488

■ 0, 75.179, 130.488

■ 81, 75.179,
130.488

■ 81, 75.179,
130.488

■ 80, 85.081,
130.288

■ 82, 64.027,
130.879

■ 80, 93.188,
130.403

■ 83, 52.068,
131.360

■ 79, 99.005,
130.955

■ 84, 39.632,
131.870


■ 79, 102.334,
131.755


■ 85, 26.952,
132.372


■ 87, 14.191,

132.846

 88, 1.467, 133.379

 90, 11.140,
313.632

 92, 19.267,
319.445

 92, 20.411,
325.134

Harmonies

Complementary

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



81, 75.179, 130.488



53, 79.819, 315.843

Rectangle

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



81, 75.179, 130.488



81, 75.179, 180.488



81, 75.179, 310.488



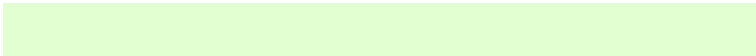
81, 75.179, 0.488

Sweetspot

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



81, 75.180, 130.489



97, 25.606, 132.518



73, 50.778, 78.512



51, 17.798, 132.376



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 75.180, 130.489



91, 96.705, 130.282



79, 77.386, 142.039



46, 7.265, 132.925



63, 85.686, 131.527



17, 32.017, 131.879

Inverse Universe

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



53, 79.819, 315.843



54, 103.511, 316.018



59, 76.104, 331.402



44, 7.340, 313.690



31, 91.970, 315.144



4, 34.355, 315.017

Previews

White Background



This preview shows how the CIELCh color 81, 75.179, 130.488 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 81, 75.179, 130.488 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 81, 75.179, 130.488

Background



This preview shows how black text looks on a background with the CIELCh color 81, 75.179, 130.488.



This preview shows how white text looks on a background with the CIELCh color 81, 75.179, 130.488.

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
81, 75.179, 130.488

Protanopia
81, 61.248, 95.270

Deuteranopia
80, 55.418, 78.979

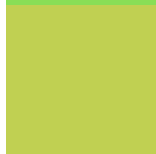


Tritanopia
81, 18.093, 228.607

Trichromacy



Original Color
81, 75.179, 130.488



Protanomaly
80, 63.099, 110.744



Deuteranomaly
80, 55.929, 102.896



Tritanomaly
80, 30.268, 155.546

Monochromacy



Original Color
81, 75.179, 130.488



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 28.791, 132.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 75.179, 130.488 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(137, 222, 86)` looks like.

```
.text, #text, p{  
    color:rgb(137, 222, 86)  
}
```

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(137, 222, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 222, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 75.179, 130.488 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(137, 222, 86) }
```

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

```
.border{ border-color:rgb(137, 222, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 222, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 222, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 222, 86);  
box-shadow:4px 4px 4px 4px rgb(137, 222,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 75.179, 130.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 222, 86) }
```

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

```
.background{ background-color: rgb(137,  
222, 86) }
```

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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