

Converting Colors

CIELCh(81, 50.807, 133.915)

Have a look what the booklet for
CIELCh(81, 50.807, 133.915)
contains.

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Color

CIELCh(81, 50.451, 134.037)

Conversions

Conversions Part 1

Format	Color
Hex	9CD983
RGB	156, 217, 131
RGB Percent	61%, 85%, 51%
CMY	0.3874, 0.1481, 0.4855
CMYK	0.28, 0.00, 0.40, 0.15
HSL	103°, 53%, 68%
HSV	103°, 40%, 85%
XYZ	42.7307, 58.4711, 30.5782
YIQ	188.9570, -8.7500, -39.6780

Conversions

Conversions Part 2

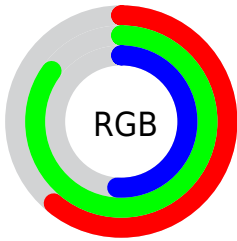
Format	Color
RYB	131, 217, 192
Decimal	10279299
CIELab	81.00, -35.07, 36.27
CIElCh	81, 50.451, 134.037
Yxy	58.4711, 0.3243, 0.4437
Android (android.graphics.Color)	4288469379 (0xFF9CD983)
YUV	188.9570, -28.5728, -28.9033
Hunter-Lab	76.4664, -34.0675, 29.8170

Details

The CIELCh color **81, 50.451, 134.037** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **64, 51.894, 317.716**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 38.924, 131.700**, and **61, 50.642, 134.103** is the 20% darker color. If you saturate the color by 10%, you get **80, 62.581, 133.473**, and if you desaturate by 10%, it is **82, 37.876, 134.602**.

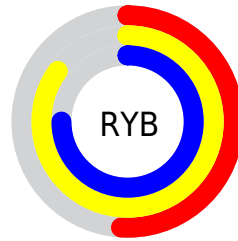
Distribution



Red (61%)

Green (85%)

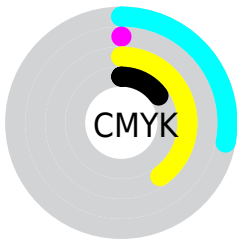
Blue (51%)



Red (51%)

Yellow (85%)

Blue (75%)

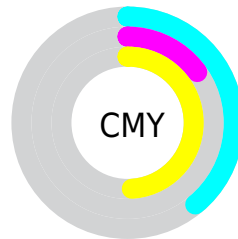


Cyan (28%)

Magenta (0%)

Yellow (40%)

Black (15%)



Cyan (39%)

Magenta (15%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 50.451, 134.037 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, 50.451, 134.037 by changing the saturation by 10% instead.

■ 81, 50.451,
134.037

■ 81, 50.451,
134.037

■ 100, 50.451,
134.037

■ 71, 50.451,
134.037

■ 61, 50.451,
134.037

■ 51, 50.451,
134.037

■ 41, 50.451,
134.037

■ 31, 50.451,
134.037

■ 21, 50.451,
134.037

■ 11, 50.451,

134.037

■ 1, 50.451, 134.037

■ 0, 50.451, 134.037

■ 81, 50.451,
134.037

■ 81, 50.451,
134.037

■ 80, 62.581,
133.473

■ 82, 37.876,
134.602

■ 79, 73.939,
132.961

■ 84, 25.085,
135.135

■ 78, 84.091,
132.592

■ 85, 12.247,
135.627

■ 77, 92.499,
132.487

■ 87, 0.519, 315.667

■ 77, 98.640,

■ 89, 13.126,
316.407

132.771

90, 22.532,
320.428

77, 102.471,
133.425

91, 23.660,
325.248

77, 102.605,
133.449

Harmonies

Complementary

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



81, 50.451, 134.037



64, 51.894, 317.716

Rectangle

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



81, 50.451, 134.037



81, 50.451, 184.037



81, 50.451, 314.037



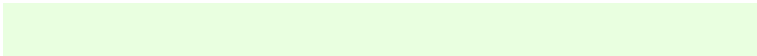
81, 50.451, 4.037

Sweetspot

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



81, 50.453, 134.038



98, 17.456, 135.507



78, 33.731, 88.615



52, 11.584, 135.443



0, 0.000, 0.000



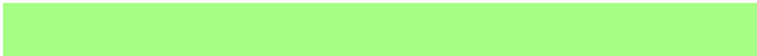
53, 0.007, 296.813

Same Dimension

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



81, 50.453, 134.038



92, 69.078, 133.537



80, 47.973, 147.264



45, 7.298, 135.635



62, 86.526, 133.259



16, 31.226, 134.538

Inverse Universe

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



64, 51.894, 317.716



69, 71.435, 318.052



66, 48.109, 333.123



43, 7.356, 316.406



32, 89.506, 317.701



5, 32.888, 317.694

Previews

White Background



This preview shows how the CIELCh color 81, 50.451, 134.037 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, 50.451, 134.037 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, 50.451, 134.037

Background



This preview shows how black text looks on a background with the CIELCh color 81, 50.451, 134.037.

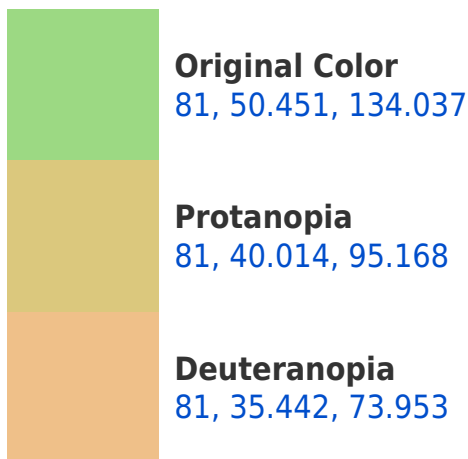


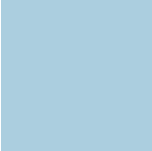
This preview shows how white text looks on a background with the CIELCh color 81, 50.451, 134.037.

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
81, 14.560, 237.322

Trichromacy



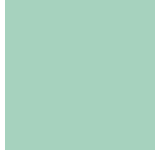
Original Color
81, 50.451, 134.037



Protanomaly
80, 41.195, 112.181



Deuteranomaly
80, 34.728, 101.610

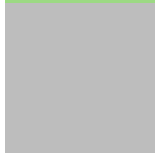


Tritanomaly
81, 19.139, 164.285

Monochromacy



Original Color
81, 50.451, 134.037



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 18.553, 135.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 50.451, 134.037 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(156, 217, 131)` looks like.

```
.text, #text, p{  
    color:rgb(156, 217, 131)  
}
```

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(156, 217, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 217, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 50.451, 134.037 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(156, 217, 131) }
```

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

```
.border{ border-color:rgb(156, 217, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 217, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 217, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 217, 131);  
box-shadow:4px 4px 4px 4px rgb(156, 217,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 50.451, 134.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 217, 131) }
```

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

```
.background{ background-color: rgb(156,  
217, 131) }
```

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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