

Converting Colors

CIELCh(81, 35.703, 124.282)

Have a look what the booklet for
CIELCh(81, 35.703, 124.282)
contains.

CIELCh(81, 35.465, 123.934)	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, 35.465, 123.934)

Conversions

Conversions Part 1

Format	Color
Hex	B8D291
RGB	184, 210, 145
RGB Percent	72%, 82%, 57%
CMY	0.2776, 0.1756, 0.4305
CMYK	0.12, 0.00, 0.31, 0.18
HSL	84°, 42%, 70%
HSV	84°, 31%, 82%
XYZ	48.0482, 58.4711, 35.6267
YIQ	194.8160, 5.3690, -25.7270

Conversions

Conversions Part 2

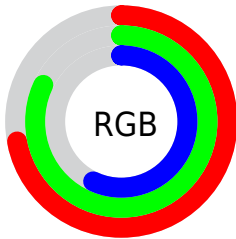
Format	Color
RYB	145, 210, 171
Decimal	12112529
CIELab	81.00, -19.80, 29.42
CIELCh	81, 35.465, 123.934
Yxy	58.4711, 0.3380, 0.4113
Android (android.graphics.Color)	4290302609 (0xFFB8D291)
YUV	194.8160, -24.5593, -9.4856
Hunter-Lab	76.4664, -21.6544, 25.9025

Details

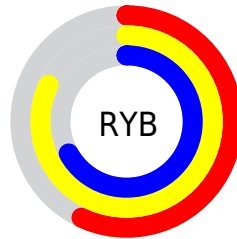
The CIELCh color $81, 35.465, 123.934$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $65, 37.410, 307.258$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 28.774, 118.518$, and $61, 35.116, 123.931$ is the 20% darker color. If you saturate the color by 10%, you get $80, 46.601, 123.437$, and if you desaturate by 10%, it is $82, 24.083, 124.455$.

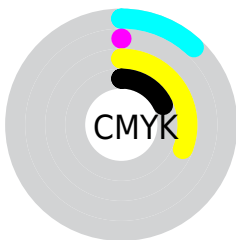
Distribution



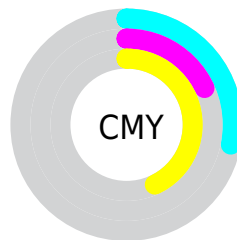
- Red (72%)
- Green (82%)
- Blue (57%)



- Red (57%)
- Yellow (82%)
- Blue (67%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (18%)





- Cyan (28%)
- Magenta (18%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 35.465, 123.934 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, 35.465, 123.934 by changing the saturation by 10% instead.


 81, 35.465,
123.934


 81, 35.465,
123.934


 100, 35.465,
123.934


 71, 35.465,
123.934


 61, 35.465,
123.934

 51, 35.465,
123.934

 41, 35.465,
123.934

 31, 35.465,
123.934

 21, 35.465,
123.934

 11, 35.465,

123.934

■ 1, 35.465, 123.934

■ 0, 35.465, 123.934

■ 81, 35.465,
123.934

■ 81, 35.465,
123.934

■ 80, 46.601,
123.437

■ 82, 24.083,
124.455

■ 79, 57.291,
122.999

■ 83, 12.582,
124.972

■ 79, 67.249,
122.685

■ 84, 1.056, 125.540

■ 78, 76.074,
122.587

■ 85, 10.430,
305.913

■ 77, 83.270,

■ 87, 21.832,
306.348

122.822

88, 24.994,
311.445

77, 88.382,
123.507

88, 26.078,
317.547

76, 91.350,
124.487

89, 27.430,
323.194

89, 28.065,
325.402

Harmonies

Complementary

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



81, 35.465, 123.934



65, 37.410, 307.258

Rectangle

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



81, 35.465, 123.934



81, 35.465, 173.934



81, 35.465, 303.934



81, 35.465, 353.934

Sweetspot

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



81, 35.467, 123.936



99, 12.119, 125.065



73, 21.490, 60.790



53, 8.423, 124.990



0, 0.000, 0.000



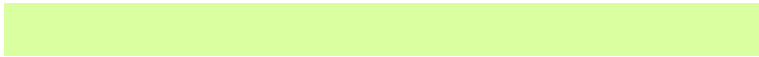
53, 0.007, 296.813

Same Dimension

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



81, 35.467, 123.936



96, 49.425, 123.608



79, 40.887, 139.838



44, 6.504, 125.049



62, 77.251, 124.234



14, 25.308, 125.710

Inverse Universe

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



65, 37.410, 307.258



73, 52.808, 307.692



68, 41.135, 323.199



41, 6.611, 305.969



24, 93.278, 309.940



2, 26.278, 303.891

Previews

White Background



This preview shows how the CIELCh color 81, 35.465, 123.934 looks on a white background.

Color Contrast Check

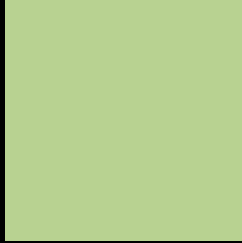
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 35.465, 123.934 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, 35.465, 123.934

Background



This preview shows how black text looks on a background with the CIELCh color 81, 35.465, 123.934.

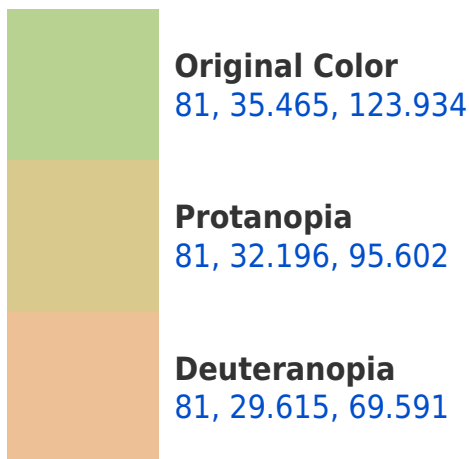


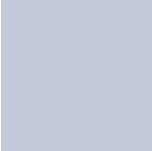
This preview shows how white text looks on a background with the CIELCh color 81, 35.465, 123.934.

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, 8.804, 274.775

Trichromacy



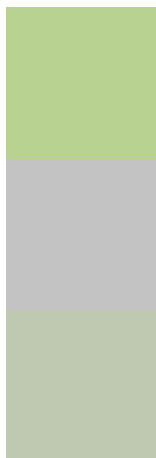
Original Color
81, 35.465, 123.934

Protanomaly
81, 31.932, 106.573

Deuteranomaly
81, 28.008, 91.765

Tritanomaly
81, 8.653, 146.051

Monochromacy



Original Color
81, 35.465, 123.934

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 13.303, 125.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 35.465, 123.934 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(184, 210, 145)` looks like.

```
.text, #text, p{  
    color:rgb(184, 210, 145)  
}
```

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(184, 210, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 210, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 35.465, 123.934 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(184, 210, 145) }
```

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

```
.border{ border-color:rgb(184, 210, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 210, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 210, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 210, 145);  
box-shadow:4px 4px 4px 4px rgb(184, 210,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 35.465, 123.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 210, 145) }
```

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

```
.background{ background-color: rgb(184,  
210, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor