

Converting Colors

CIELCh(81, 63.635, 107.586)

Have a look what the booklet for
CIELCh(81, 63.635, 107.586)
contains.

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Color

CIELCh(81, 63.623, 107.602)

Conversions

Conversions Part 1

Format	Color
Hex	C9D151
RGB	201, 209, 81
RGB Percent	79%, 82%, 32%
CMY	0.2127, 0.1812, 0.6832
CMYK	0.04, 0.00, 0.61, 0.18
HSL	64°, 58%, 57%
HSV	64°, 61%, 82%
XYZ	48.2505, 58.4711, 16.4857
YIQ	192.0160, 36.3200, -41.5040

Conversions

Conversions Part 2

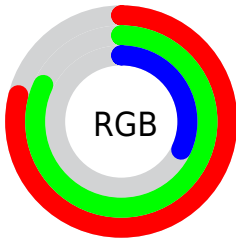
Format	Color
R _{YB}	81, 209, 89
Decimal	13226321
CIE Lab	81.00, -19.24, 60.64
CIE LCh	81, 63.623, 107.602
Yxy	58.4711, 0.3916, 0.4746
Android (android.graphics.Color)	4291416401 (0xFFC9D151)
YUV	192.0160, -54.7309, 7.8790
Hunter-Lab	76.4664, -21.1822, 40.7439

Details

The CIELCh color **81, 63.623, 107.602** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **42, 76.257, 301.123**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 59.063, 105.657**, and **61, 63.681, 107.719** is the 20% darker color. If you saturate the color by 10%, you get **81, 71.550, 107.059**, and if you desaturate by 10%, it is **81, 54.473, 108.295**.

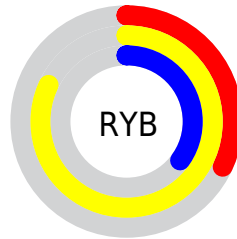
Distribution



Red (79%)

Green (82%)

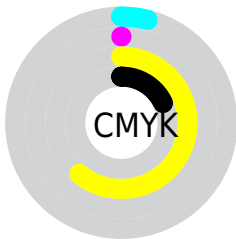
Blue (32%)



Red (32%)

Yellow (82%)

Blue (35%)

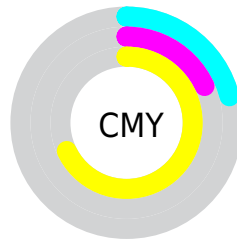


Cyan (4%)

Magenta (0%)

Yellow (61%)

Black (18%)



Cyan (21%)


Magenta (18%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 63.623, 107.602 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, 63.623, 107.602 by changing the saturation by 10% instead.


 81, 63.623,
107.602


 81, 63.623,
107.602


 100, 63.623,
107.602


 71, 63.623,
107.602


 61, 63.623,
107.602

 51, 63.623,
107.602

 41, 63.623,
107.602

 31, 63.623,
107.602

 21, 63.623,
107.602

 11, 63.623,

107.602

■ 1, 63.623, 107.602

■ 0, 63.623, 107.602

■ 81, 63.623,
107.602

■ 81, 63.623,
107.602

■ 81, 71.550,
107.059

■ 81, 54.473,
108.295

■ 81, 77.738,
106.717

■ 82, 44.524,
109.081

■ 80, 81.734,
106.629

■ 82, 34.076,
109.923

■ 80, 83.598,
106.739

■ 83, 23.331,
110.792

■ 83, 12.420,

111.664

■ 84, 1.427, 112.502

■ 84, 9.591, 293.377

■ 85, 20.596,
294.187

■ 85, 24.388,
295.124

Harmonies

Complementary

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



81, 63.623, 107.602



42, 76.257, 301.123

Rectangle

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



81, 63.623, 107.602



81, 63.623, 157.602



81, 63.623, 287.602



81, 63.623, 337.602

Sweetspot

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



81, 63.624, 107.604



99, 23.214, 111.062



53, 55.337, 30.551



53, 16.112, 110.805



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, 63.624, 107.604



96, 86.011, 106.911



77, 70.054, 128.117



44, 6.243, 111.828



66, 71.201, 106.682



15, 23.530, 108.517

Inverse Universe

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



42, 76.257, 301.123



42, 109.236, 303.634



48, 75.836, 313.601



40, 6.381, 293.511



20, 97.697, 306.494



2, 25.604, 294.805

Previews

White Background



This preview shows how the CIELCh color 81, 63.623, 107.602 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, 63.623, 107.602 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, 63.623, 107.602

Background



This preview shows how black text looks on a background with the CIELCh color 81, 63.623, 107.602.

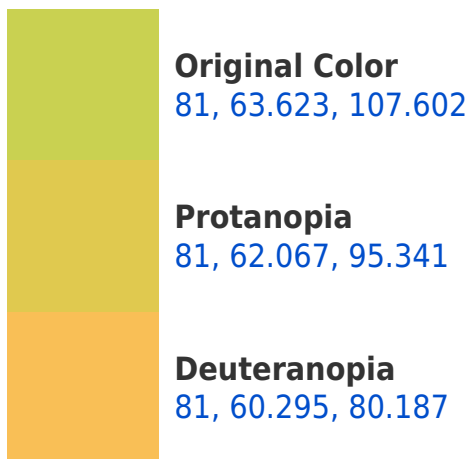



This preview shows how white text looks on a background with the CIELCh color 81, 63.623, 107.602.

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, 10.350, 329.868

Trichromacy



Original Color
81, 63.623, 107.602

Protanomaly
81, 62.184, 99.809

Deuteranomaly
80, 59.476, 90.462

Tritanomaly
81, 19.780, 99.266

Monochromacy



Original Color
81, 63.623, 107.602

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 24.349, 110.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 63.623, 107.602 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(201, 209, 81)` looks like.

```
.text, #text, p{  
    color:rgb(201, 209, 81)  
}
```

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(201, 209, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 209, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 63.623, 107.602 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(201, 209, 81) }
```

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

```
.border{ border-color:rgb(201, 209, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 209, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 209, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 209, 81);  
box-shadow:4px 4px 4px 4px rgb(201, 209,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 63.623, 107.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 209, 81) }
```

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

```
.background{ background-color: rgb(201,  
209, 81) }
```

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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