

Converting Colors

CIELCh(81, 51.229, 109.501)

Have a look what the booklet for
CIELCh(81, 51.229, 109.501)
contains.

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Color

CIELCh(81, 51.220, 109.346)

Conversions

Conversions Part 1

Format	Color
Hex	C8D06C
RGB	200, 208, 108
RGB Percent	78%, 82%, 42%
CMY	0.2157, 0.1843, 0.5765
CMYK	0.04, 0.00, 0.48, 0.18
HSL	65°, 52%, 62%
HSV	65°, 48%, 82%
XYZ	49.0797, 58.4711, 22.8857
YIQ	194.2080, 27.3320, -32.7960

Conversions

Conversions Part 2

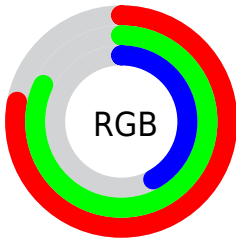
Format	Color
RYB	108, 208, 116
Decimal	13160556
CIELab	81.00, -16.97, 48.33
CIELCh	81, 51.220, 109.346
Yxy	58.4711, 0.3763, 0.4483
Android (android.graphics.Color)	4291350636 (0xFFC8D06C)
YUV	194.2080, -42.5005, 5.0796
Hunter-Lab	76.4664, -19.2465, 35.7815

Details

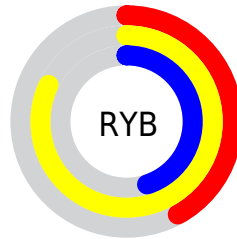
The CIELCh color **81, 51.220, 109.346** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **51, 58.271, 299.176**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 46.400, 106.631**, and **61, 51.537, 109.460** is the 20% darker color. If you saturate the color by 10%, you get **81, 60.654, 108.651**, and if you desaturate by 10%, it is **81, 41.104, 110.130**.

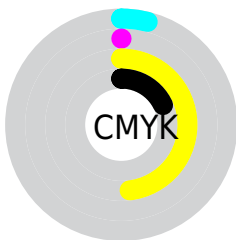
Distribution



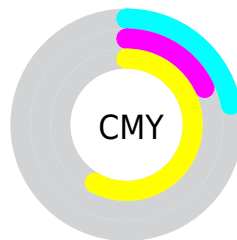
- Red (78%)
- Green (82%)
- Blue (42%)



- Red (42%)
- Yellow (82%)
- Blue (45%)



- Cyan (4%)
- Magenta (0%)
- Yellow (48%)
- Black (18%)





- Cyan (22%)
- Magenta (18%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 51.220, 109.346 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, 51.220, 109.346 by changing the saturation by 10% instead.


 81, 51.220,
109.346


 81, 51.220,
109.346


 100, 51.220,
109.346


 71, 51.220,
109.346

 61, 51.220,
109.346

 51, 51.220,
109.346

 41, 51.220,
109.346

 31, 51.220,
109.346

 21, 51.220,
109.346

 11, 51.220,

109.346

■ 1, 51.220, 109.346

■ 0, 51.220, 109.346

■ 81, 51.220,
109.346

■ 81, 51.220,
109.346

■ 81, 60.654,
108.651

■ 81, 41.104,
110.130

■ 80, 69.020,
108.086

■ 82, 30.565,
110.958

■ 80, 75.828,
107.716

■ 82, 19.778,
111.805

■ 80, 80.579,
107.600

■ 83, 8.858, 112.649

■ 80, 83.123,

■ 84, 2.123, 293.501

107.760

■ 84, 13.114,
294.293

■ 80, 83.507,
107.803

■ 85, 24.081,
295.066

■ 85, 24.854,
296.301

■ 85, 24.905,
297.572

Harmonies

Complementary

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



81, 51.220, 109.346



51, 58.271, 299.176

Rectangle

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



81, 51.220, 109.346



81, 51.220, 159.346



81, 51.220, 289.346



81, 51.220, 339.346

Sweetspot

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



81, 51.221, 109.348



99, 18.093, 112.136



59, 41.067, 29.155



53, 12.483, 111.952



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, 51.221, 109.348



97, 71.356, 108.612



78, 56.264, 129.141



44, 6.248, 112.537



66, 71.322, 107.731



15, 23.560, 109.513

Inverse Universe

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



51, 58.271, 299.176



54, 84.487, 301.010



55, 59.654, 313.579



40, 6.386, 294.167



20, 97.596, 306.558



2, 25.621, 295.246

Previews

White Background



This preview shows how the CIELCh color 81, 51.220, 109.346 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, 51.220, 109.346 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, 51.220, 109.346

Background



This preview shows how black text looks on a background with the CIELCh color 81, 51.220, 109.346.



This preview shows how white text looks on a background with the CIELCh color 81, 51.220, 109.346.

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, 10.337, 324.829

Trichromacy



Original Color
81, 51.220, 109.346

Protanomaly
81, 50.011, 100.827

Deuteranomaly
81, 47.260, 89.802

Tritanomaly
81, 14.092, 96.266

Monochromacy



Original Color
81, 51.220, 109.346

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 19.097, 111.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 51.220, 109.346 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(200, 208, 108)` looks like.

```
.text, #text, p{  
    color:rgb(200, 208, 108)  
}
```

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(200, 208, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 208, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 51.220, 109.346 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(200, 208, 108) }
```

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

```
.border{ border-color:rgb(200, 208, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 208, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 208, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 208, 108);  
box-shadow:4px 4px 4px 4px rgb(200, 208,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 51.220, 109.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 208, 108) }
```

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

```
.background{ background-color: rgb(200,  
208, 108) }
```

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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