

# Converting Colors

CIELCh(81, 5.419, 108.064)

Have a look what the booklet for  
CIELCh(81, 5.419, 108.064) contains.

<b>CIELCh(81, 5.817, 109.648)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(81, 5.817, 109.648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CACABF
RGB	202, 202, 191
RGB Percent	79%, 79%, 75%
CMY	0.2084, 0.2084, 0.2515
CMYK	0.00, 0.00, 0.05, 0.21
HSL	60°, 9%, 77%
HSV	60°, 5%, 79%
XYZ	54.7987, 58.4711, 57.6114
YIQ	200.7460, 3.5310, -3.4210

# Conversions

## Conversions Part 2

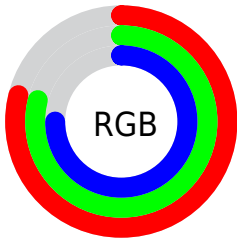
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 202, 191
Decimal	13290175
CIELab	81.00, -1.96, 5.48
CIElCh	81, 5.817, 109.648
Yxy	58.4711, 0.3207, 0.3422
Android (android.graphics.Color)	4291480255 (0xFFCACABF)
YUV	200.7460, -4.8048, 1.0998
Hunter-Lab	76.4664, -5.8963, 8.8562

# Details

The CIELCh color **81, 5.817, 109.648** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78, 5.905, 290.743**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 4.046, 109.857**, and **61, 5.602, 109.539** is the 20% darker color. If you saturate the color by 10%, you get **81, 16.474, 108.706**, and if you desaturate by 10%, it is **82, 4.881, 290.634**.

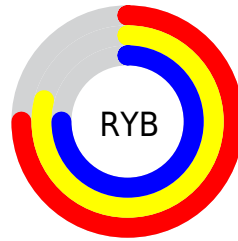
# Distribution



Red (79%)

Green (79%)

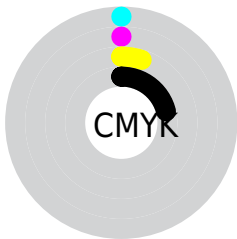
Blue (75%)



Red (75%)

Yellow (79%)

Blue (75%)

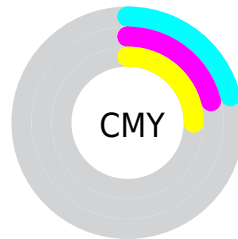


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (21%)



Cyan (21%)

Magenta (21%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 5.817, 109.648 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, 5.817, 109.648 by changing the saturation by 10% instead.



■ 81, 5.817, 109.648

■ 81, 5.817, 109.648

■ 100, 5.817,  
109.648

■ 71, 5.817, 109.648

■ 61, 5.817, 109.648

■ 51, 5.817, 109.648

■ 41, 5.817, 109.648

■ 31, 5.817, 109.648

■ 21, 5.817, 109.648

■ 11, 5.817, 109.648

■ 1, 5.817, 109.648

■ 0, 5.817, 109.648

81, 5.817, 109.648

81, 5.817, 109.648

81, 16.474,  
108.706

82, 4.881, 290.634

80, 27.022,  
107.741

82, 15.583,  
291.547

80, 37.365,  
106.789

83, 26.258,  
292.435

80, 47.350,  
105.872

83, 28.142,  
292.592

79, 56.745,  
105.019

83, 28.142,  
292.597

79, 65.206,  
104.262

83, 28.142,  
292.601

79, 72.273,  
103.642

83, 28.142,  
292.606

79, 77.444,  
103.197

83, 28.142,  
292.611

■ 79, 80.389,  
102.948

■ 83, 28.143,  
292.616

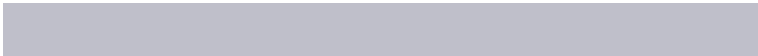
# Harmonies

# Complementary

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



81, 5.817, 109.648



78, 5.905, 290.743

# Rectangle

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



81, 5.817, 109.648



81, 5.817, 159.648



81, 5.817, 289.648



81, 5.817, 339.648

# Sweetspot

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



81, 5.819, 109.662



100, 2.575, 109.970



78, 4.098, 19.601



53, 1.464, 109.978



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, 5.819, 109.662



100, 9.036, 109.507



81, 6.193, 128.851



43, 4.887, 109.466



66, 70.197, 102.874



15, 21.914, 105.402



# Inverse Universe

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



78, 5.905, 290.743



94, 9.195, 290.913



78, 6.254, 309.288



40, 4.977, 290.958



19, 96.928, 306.288

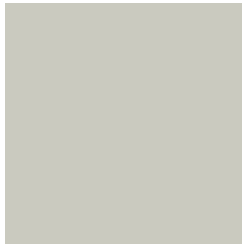


1, 23.534, 292.455



# Previews

## White Background



This preview shows how the CIELCh color 81, 5.817, 109.648 looks on a white background.

## Color Contrast Check

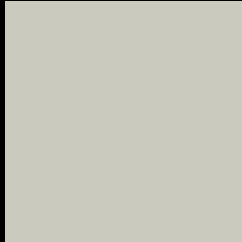
Large Text (above 18pt) WCAG AA × Fail

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, 5.817, 109.648 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

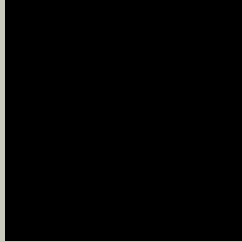
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

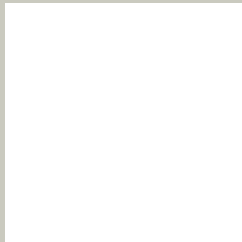
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 81, 5.817, 109.648

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 5.817, 109.648.



This preview shows how white text looks on a background with the CIELCh color 81, 5.817, 109.648.

# 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, 5.817, 109.648

### Protanopia

81, 5.892, 83.246

### Deuteranopia

81, 11.406, 25.543





**Tritanopia**  
81, 8.911, 307.200

# Trichromacy



**Original Color**  
81, 5.817, 109.648

**Protanomaly**  
81, 5.998, 95.197

**Deuteranomaly**  
81, 7.619, 40.129

**Tritanomaly**  
81, 4.167, 316.280

# Monochromacy



**Original Color**  
81, 5.817, 109.648

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
81, 2.112, 109.959

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 5.817, 109.648 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(202, 202, 191)` looks like.

```
.text, #text, p{  
    color:rgb(202, 202, 191)  
}
```

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(202, 202, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 202, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 5.817, 109.648 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(202, 202, 191) }
```

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

```
.border{ border-color:rgb(202, 202, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 202, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 202, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 202, 191);  
box-shadow:4px 4px 4px 4px rgb(202, 202,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 5.817, 109.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 202, 191) }
```

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

```
.background{ background-color: rgb(202,  
202, 191) }
```

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