

Converting Colors

CIELCh(81, 13.198, 106.908)

Have a look what the booklet for
CIELCh(81, 13.198, 106.908)
contains.

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Color

CIELCh(81, 13.204, 107.335)

Conversions

Conversions Part 1

Format	Color
Hex	CCCBB2
RGB	204, 203, 178
RGB Percent	80%, 80%, 70%
CMY	0.2018, 0.2057, 0.3037
CMYK	0.00, 0.00, 0.13, 0.20
HSL	58°, 20%, 75%
HSV	58°, 13%, 80%
XYZ	54.0209, 58.4711, 50.3282
YIQ	200.4490, 8.6210, -7.5630

Conversions

Conversions Part 2

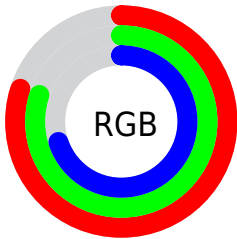
Format	Color
RYB	179, 204, 178
Decimal	13421490
CIELab	81.00, -3.93, 12.60
CIELCh	81, 13.204, 107.335
Yxy	58.4711, 0.3318, 0.3591
Android (android.graphics.Color)	4291611570 (0xFFCCCBB2)
YUV	200.4490, -11.0674, 3.1142
Hunter-Lab	76.4664, -7.7120, 14.5033

Details

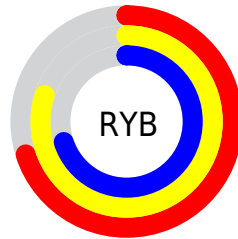
The CIELCh color **81, 13.204, 107.335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73, 13.566, 289.999**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.630, 109.373**, and **61, 13.412, 106.914** is the 20% darker color. If you saturate the color by 10%, you get **80, 23.492, 106.341**, and if you desaturate by 10%, it is **82, 2.857, 108.312**.

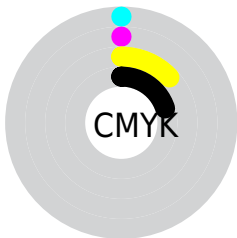
Distribution



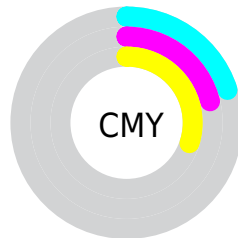
- Red (80%)
- Green (80%)
- Blue (70%)



- Red (70%)
- Yellow (80%)
- Blue (70%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (20%)
- Magenta (21%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 13.204, 107.335 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, 13.204, 107.335 by changing the saturation by 10% instead.


 81, 13.204,
107.335


 81, 13.204,
107.335


 100, 13.204,
107.335


 71, 13.204,
107.335


 61, 13.204,
107.335

 51, 13.204,
107.335

 41, 13.204,
107.335

 31, 13.204,
107.335

 21, 13.204,
107.335

 11, 13.204,

107.335

■ 1, 13.204, 107.335

■ 0, 13.204, 107.335

■ 81, 13.204,
107.335

■ 81, 13.204,
107.335

■ 80, 23.492,
106.341

■ 82, 2.857, 108.312

■ 80, 33.636,
105.339

■ 82, 7.503, 289.320

■ 79, 43.511,
104.356

■ 83, 17.842,
290.252

■ 79, 52.917,
103.414

■ 84, 26.045,
290.856

■ 78, 61.550,

■ 84, 25.621,
290.223

102.540

84, 25.200,
289.568

78, 68.972,
101.767

85, 24.783,
288.893

78, 74.654,
101.128

85, 24.369,
288.196

78, 78.133,
100.641

85, 23.959,
287.476

77, 79.493,
100.365

Harmonies

Complementary

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



81, 13.204, 107.335



73, 13.566, 289.999

Rectangle

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



81, 13.204, 107.335



81, 13.204, 157.335



81, 13.204, 287.335



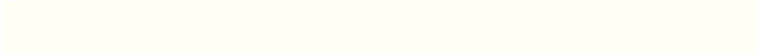
81, 13.204, 337.335

Sweetspot

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



81, 13.206, 107.342



100, 4.965, 108.194



75, 9.946, 16.185



53, 3.529, 108.122



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, 13.206, 107.342



99, 18.622, 107.100



80, 14.473, 126.716



43, 5.879, 107.676



64, 68.265, 100.403



14, 21.009, 103.327

Inverse Universe

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



73, 13.566, 289.999



88, 19.226, 290.296



74, 14.757, 307.908



39, 6.000, 289.608



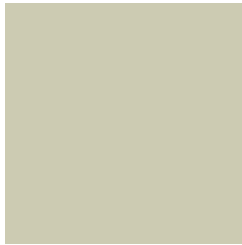
20, 95.100, 305.763



2, 22.901, 291.516

Previews

White Background



This preview shows how the CIELCh color 81, 13.204, 107.335 looks on a white background.

Color Contrast Check

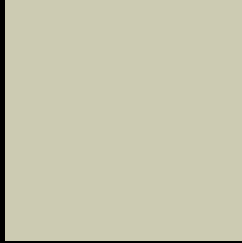
Large Text (above 18pt) WCAG AA × Fail

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, 13.204, 107.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

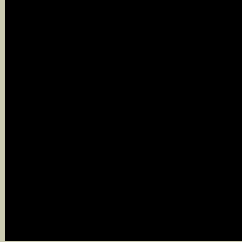
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

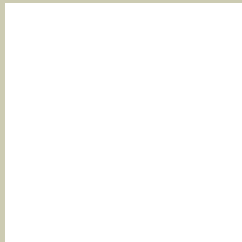
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 13.204, 107.335

Background



This preview shows how black text looks on a background with the CIELCh color 81, 13.204, 107.335.



This preview shows how white text looks on a background with the CIELCh color 81, 13.204, 107.335.

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, 13.204, 107.335

Protanopia

81, 13.264, 92.132

Deuteranopia

81, 15.485, 50.892



Tritanopia
81, 9.591, 317.592

Trichromacy



Original Color
81, 13.204, 107.335

Protanomaly
81, 12.963, 97.061

Deuteranomaly
81, 13.207, 69.131

Tritanomaly
81, 2.997, 9.270

Monochromacy



Original Color
81, 13.204, 107.335

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 4.763, 109.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 13.204, 107.335 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(204, 203, 178)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 178)  
}
```

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(204, 203, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 13.204, 107.335 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(204, 203, 178) }
```

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

```
.border{ border-color:rgb(204, 203, 178) }
```

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

Here you see how a box with a 4 pixel rgb(204, 203, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 13.204, 107.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 178) }
```

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

```
.background{ background-color: rgb(204,  
203, 178) }
```

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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