

Converting Colors

CIELCh(81, 16.134, 108.747)

Have a look what the booklet for
CIELCh(81, 16.134, 108.747)
contains.

CIELCh(81, 15.833, 108.755)	3
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Color

CIELCh(81, 15.833, 108.755)

Conversions

Conversions Part 1

Format	Color
Hex	CBCBAD
RGB	203, 203, 173
RGB Percent	80%, 80%, 68%
CMY	0.2036, 0.2036, 0.3213
CMYK	0.00, 0.00, 0.15, 0.20
HSL	60°, 22%, 74%
HSV	60°, 15%, 80%
XYZ	53.5697, 58.4711, 48.0324
YIQ	199.5800, 9.6300, -9.3300

Conversions

Conversions Part 2

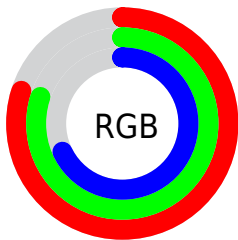
Format	Color
RYB	173, 203, 173
Decimal	13355949
CIELab	81.00, -5.09, 14.99
CIELCh	81, 15.833, 108.755
Yxy	58.4711, 0.3347, 0.3653
Android (android.graphics.Color)	4291546029 (0xFFCBCBAD)
YUV	199.5800, -13.1039, 2.9993
Hunter-Lab	76.4664, -8.7654, 16.2835

Details

The CIELCh color $81, 15.833, 108.755$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $72, 16.376, 291.773$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 13.663, 109.145$, and $61, 15.630, 108.409$ is the 20% darker color. If you saturate the color by 10%, you get $81, 26.444, 107.795$, and if you desaturate by 10%, it is $81, 5.123, 109.716$.

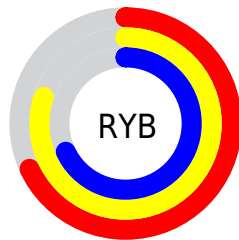
Distribution



Red (80%)

Green (80%)

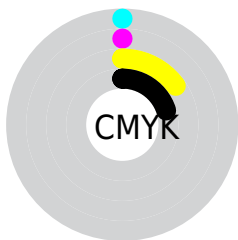
Blue (68%)



Red (68%)

Yellow (80%)

Blue (68%)

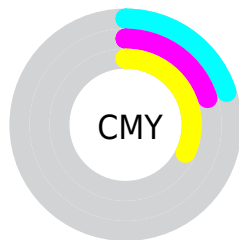


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (20%)



Cyan (20%)


Magenta (20%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 15.833, 108.755 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, 15.833, 108.755 by changing the saturation by 10% instead.


 81, 15.833,
108.755


 81, 15.833,
108.755


 100, 15.833,
108.755


 71, 15.833,
108.755


 61, 15.833,
108.755

 51, 15.833,
108.755

 41, 15.833,
108.755

 31, 15.833,
108.755

 21, 15.833,
108.755

 11, 15.833,

108.755

■ 1, 15.833, 108.755

■ 0, 15.833, 108.755

■ 81, 15.833,
108.755

■ 81, 15.833,
108.755

■ 81, 26.444,
107.795

■ 81, 5.123, 109.716

■ 80, 36.854,
106.841

■ 82, 5.630, 290.687

■ 80, 46.918,
105.921

■ 83, 16.383,
291.600

■ 80, 56.406,
105.061

■ 83, 27.108,
292.486

■ 80, 64.982,

■ 83, 27.477,
292.518

104.296

83, 27.477,
292.520

79, 72.189,
103.665

83, 27.477,
292.522

79, 77.522,
103.207

83, 27.477,
292.524

79, 80.625,
102.945

83, 27.477,
292.525

79, 81.633,
102.860

Harmonies

Complementary

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



81, 15.833, 108.755



72, 16.376, 291.773

Rectangle

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



81, 15.833, 108.755



81, 15.833, 158.755



81, 15.833, 288.755



81, 15.833, 338.755

Sweetspot

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



81, 15.835, 108.761



100, 5.161, 109.783



73, 11.582, 20.360



53, 3.669, 109.712



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, 15.835, 108.761



99, 23.180, 108.426



80, 16.912, 128.414



43, 6.108, 109.278



66, 70.197, 102.860



15, 21.914, 105.389

Inverse Universe

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



72, 16.376, 291.773



85, 24.169, 292.204



73, 17.257, 309.737



39, 6.243, 291.153



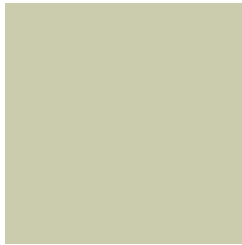
19, 96.929, 306.288



1, 23.534, 292.449

Previews

White Background



This preview shows how the CIELCh color 81, 15.833, 108.755 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, 15.833, 108.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

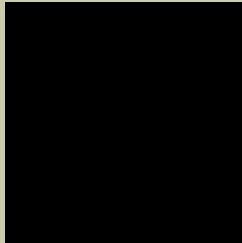
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

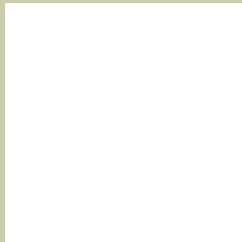
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 15.833, 108.755

Background



This preview shows how black text looks on a background with the CIELCh color 81, 15.833, 108.755.



This preview shows how white text looks on a background with the CIELCh color 81, 15.833, 108.755.

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, 15.833, 108.755

Protanopia

81, 15.803, 94.569

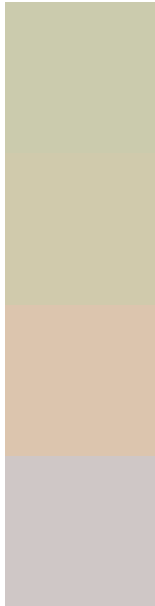
Deuteranopia

81, 17.425, 55.233



Tritanopia
81, 9.591, 317.592

Trichromacy



Original Color
81, 15.833, 108.755

Protanomaly
81, 16.003, 100.401

Deuteranomaly
81, 15.165, 72.818

Tritanomaly
81, 2.995, 29.628

Monochromacy



Original Color
81, 15.833, 108.755

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 5.823, 109.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 15.833, 108.755 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(203, 203, 173)` looks like.

```
.text, #text, p{  
    color:rgb(203, 203, 173)  
}
```

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(203, 203, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 203, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 15.833, 108.755 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(203, 203, 173) }
```

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

```
.border{ border-color:rgb(203, 203, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 203, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 203, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 203, 173);  
box-shadow:4px 4px 4px 4px rgb(203, 203,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 15.833, 108.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 203, 173) }
```

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

```
.background{ background-color: rgb(203,  
203, 173) }
```

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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