

Converting Colors

CIELCh(88, 10.387, 111.974)

Have a look what the booklet for
CIELCh(88, 10.387, 111.974)
contains.

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Color

CIELCh(88, 10.402, 111.346)

Conversions

Conversions Part 1

Format	Color
Hex	DDDECA
RGB	221, 222, 202
RGB Percent	87%, 87%, 79%
CMY	0.1323, 0.1284, 0.2069
CMYK	0.00, 0.00, 0.09, 0.13
HSL	63°, 23%, 83%
HSV	63°, 9%, 87%
XYZ	66.7749, 72.0653, 66.4226
YIQ	219.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

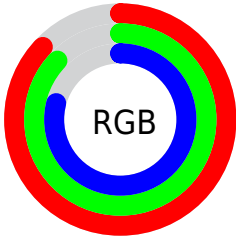
Format	Color
R_{YB}	202, 222, 203
Decimal	14540490
CIE Lab	88.00, -3.79, 9.69
CIE LCh	88, 10.402, 111.346
Yxy	72.0653, 0.3253, 0.3511
Android (android.graphics.Color)	4292730570 (0xFFDDDECA)
YUV	219.4210, -8.5886, 1.3848
Hunter-Lab	84.8913, -8.1529, 13.0328

Details

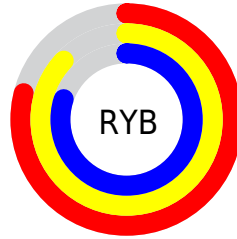
The CIELCh color **88, 10.402, 111.346** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 10.627, 293.005**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 10.418, 111.263** is the 20% darker color. If you saturate the color by 10%, you get **87, 21.904, 110.462**, and if you desaturate by 10%, it is **89, 1.167, 292.283**.

Distribution



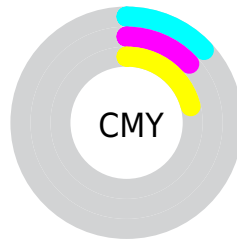
- Red (87%)
- Green (87%)
- Blue (79%)



- Red (79%)
- Yellow (87%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)





- Cyan (13%)
- Magenta (13%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 10.402, 111.346 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 88, 10.402, 111.346 by changing the saturation by 10% instead.


 88, 10.402,
111.346


 88, 10.402,
111.346


 100, 10.402,
111.346


 78, 10.402,
111.346

 68, 10.402,
111.346

 58, 10.402,
111.346

 48, 10.402,
111.346

 38, 10.402,
111.346

 28, 10.402,
111.346

 18, 10.402,

111.346

■ 8, 10.402, 111.346

■ 0, 10.402, 111.346

■ 88, 10.402,
111.346

■ 88, 10.402,
111.346

■ 87, 21.904,
110.462

■ 89, 1.167, 292.283

■ 87, 33.251,
109.569

■ 89, 12.754,
293.102

■ 87, 44.321,
108.698

■ 90, 17.088,
294.204

■ 86, 54.917,
107.874

■ 90, 17.115,
295.464

■ 86, 64.746,

■ 90, 17.149,
296.722

107.136

90, 17.192,
297.978

86, 73.383,
106.528

90, 17.242,
299.230

85, 80.294,
106.107

90, 17.300,
300.477

85, 84.965,
105.921

90, 17.367,
301.717

85, 87.340,
105.976

Harmonies

Complementary

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



88, 10.402, 111.346



82, 10.627, 293.005

Rectangle

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



88, 10.402, 111.346



88, 10.402, 161.346



88, 10.402, 291.346



88, 10.402, 341.346

Sweetspot

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



88, 10.404, 111.354



100, 3.872, 111.875



83, 7.071, 24.118



53, 2.937, 111.806



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 10.404, 111.354



99, 14.208, 111.170



87, 11.209, 130.423



47, 6.613, 111.315



69, 73.509, 105.938



19, 27.949, 106.707

Inverse Universe

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



82, 10.627, 293.005



91, 14.576, 293.218



83, 11.343, 311.170



43, 6.761, 293.050



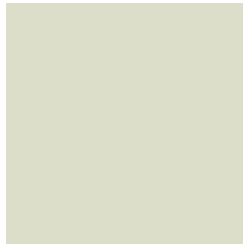
21, 101.045, 306.444



2, 31.707, 297.048

Previews

White Background



This preview shows how the CIELCh color 88, 10.402, 111.346 looks on a white background.

Color Contrast Check

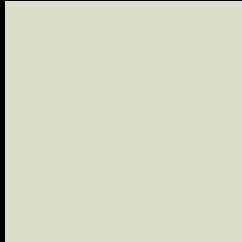
Large Text (above 18pt) WCAG AA × Fail

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 88, 10.402, 111.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

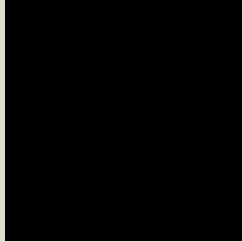
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

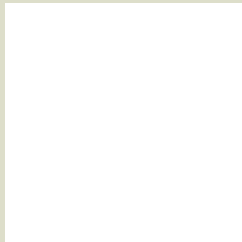
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 10.402, 111.346

Background



This preview shows how black text looks on a background with the CIELCh color 88, 10.402, 111.346.

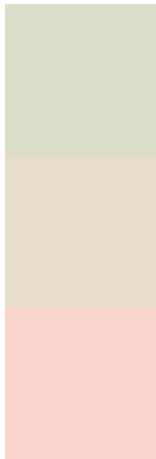


This preview shows how white text looks on a background with the CIELCh color 88, 10.402, 111.346.

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](#).

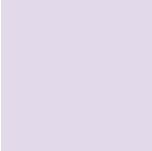
Dichromacy



Original Color
88, 10.402, 111.346

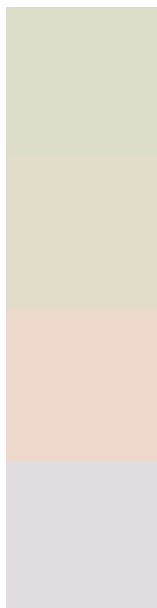
Protanopia
88, 10.423, 90.520

Deuteranopia
88, 14.023, 39.656



Tritanopia
88, 9.359, 308.353

Trichromacy



Original Color
88, 10.402, 111.346

Protanomaly
88, 10.550, 99.128

Deuteranomaly
88, 10.677, 58.999

Tritanomaly
88, 2.143, 332.291

Monochromacy



Original Color
88, 10.402, 111.346

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.660, 115.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 10.402, 111.346 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(221, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(221, 222, 202)  
}
```

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(221, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 10.402, 111.346 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(221, 222, 202) }
```

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

```
.border{ border-color:rgb(221, 222, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 222, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 10.402, 111.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 202) }
```

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

```
.background{ background-color: rgb(221,  
222, 202) }
```

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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