

Converting Colors

CIELCh(88, 11.438, 107.709)

Have a look what the booklet for
CIELCh(88, 11.438, 107.709)
contains.

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Color

CIELCh(88, 11.432, 107.352)

Conversions

Conversions Part 1

Format	Color
Hex	DFDEC8
RGB	223, 222, 200
RGB Percent	87%, 87%, 78%
CMY	0.1257, 0.1296, 0.2159
CMYK	0.00, 0.00, 0.10, 0.13
HSL	57°, 26%, 83%
HSV	57°, 10%, 87%
XYZ	66.9448, 72.0653, 64.9958
YIQ	219.7910, 7.6580, -6.6300

Conversions

Conversions Part 2

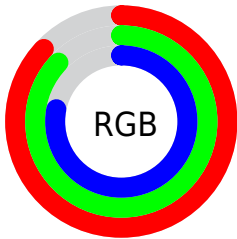
Format	Color
R_{YB}	201, 223, 200
Decimal	14671560
CIE _{Lab}	88.00, -3.41, 10.91
CIE _{LCh}	88, 11.432, 107.352
Yxy	72.0653, 0.3282, 0.3533
Android (android.graphics.Color)	4292861640 (0xFFDFDEC8)
YUV	219.7910, -9.7570, 2.8143
Hunter-Lab	84.8913, -7.7955, 14.0293

Details

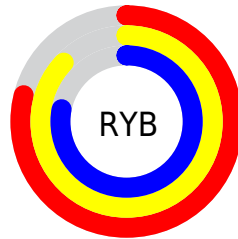
The CIELCh color **88, 11.432, 107.352** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 11.687, 289.509**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 11.502, 107.011** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.479, 106.352**, and if you desaturate by 10%, it is **89, 0.340, 108.105**.

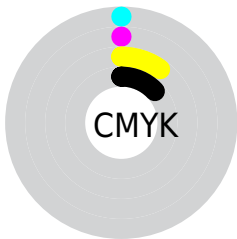
Distribution



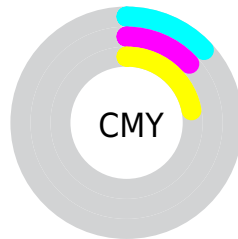
- Red (87%)
- Green (87%)
- Blue (78%)



- Red (79%)
- Yellow (87%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (13%)
- Magenta (13%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 11.432, 107.352 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, 11.432, 107.352 by changing the saturation by 10% instead.


 88, 11.432,
107.352


 88, 11.432,
107.352


 100, 11.432,
107.352


 78, 11.432,
107.352

 68, 11.432,
107.352

 58, 11.432,
107.352

 48, 11.432,
107.352

 38, 11.432,
107.352

 28, 11.432,
107.352

 18, 11.432,

107.352

■ 8, 11.432, 107.352

■ 0, 11.432, 107.352

■ 88, 11.432,
107.352

■ 88, 11.432,
107.352

■ 87, 22.479,
106.352

■ 89, 0.340, 108.105

■ 87, 33.399,
105.337

■ 90, 10.754,
289.344

■ 86, 44.070,
104.336

■ 90, 15.678,
289.103

■ 86, 54.299,
103.368

■ 90, 15.177,
287.753

■ 85, 63.781,

■ 91, 14.685,
286.314

102.461

91, 14.202,
284.780

85, 72.073,
101.646

91, 13.731,
283.141

84, 78.608,
100.955

91, 13.271,
281.390

84, 82.838,
100.410

92, 12.825,
279.519

84, 84.793,
100.008

Harmonies

Complementary

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



88, 11.432, 107.352



81, 11.687, 289.509

Rectangle

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



88, 11.432, 107.352



88, 11.432, 157.352



88, 11.432, 287.352



88, 11.432, 337.352

Sweetspot

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



88, 11.434, 107.361



100, 3.702, 108.071



82, 8.579, 15.966



53, 2.808, 107.996



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, 11.434, 107.361



99, 14.830, 107.183



87, 12.588, 126.832



47, 6.327, 107.447



68, 71.082, 100.054



18, 26.810, 101.535

Inverse Universe

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



81, 11.687, 289.509



90, 15.211, 289.717



82, 12.794, 307.786



43, 6.457, 289.409



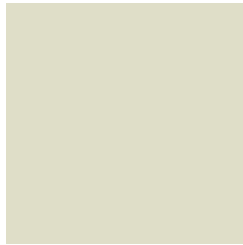
21, 99.296, 305.736



2, 30.681, 294.951

Previews

White Background



This preview shows how the CIELCh color 88, 11.432, 107.352 looks on a white background.

Color Contrast Check

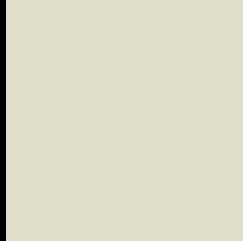
Large Text (above 18pt) WCAG AA × Fail

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, 11.432, 107.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

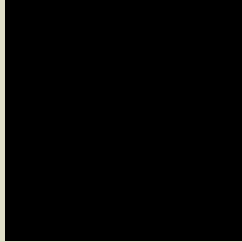
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

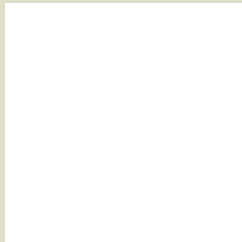
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 11.432, 107.352

Background



This preview shows how black text looks on a background with the CIELCh color 88, 11.432, 107.352.



This preview shows how white text looks on a background with the CIELCh color 88, 11.432, 107.352.

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

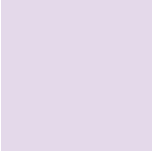
88, 11.432, 107.352

Protanopia

88, 11.533, 90.271

Deuteranopia

88, 14.812, 42.862



Tritanopia
88, 9.744, 314.316

Trichromacy



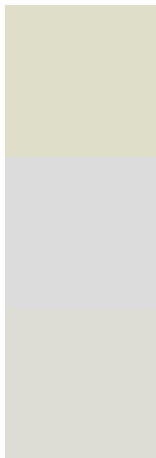
Original Color
88, 11.432, 107.352

Protanomaly
88, 11.640, 98.092

Deuteranomaly
88, 11.963, 60.407

Tritanomaly
88, 2.984, 347.799

Monochromacy



Original Color
88, 11.432, 107.352

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.158, 109.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 11.432, 107.352 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(223, 222, 200)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 200)  
}
```

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(223, 222, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 11.432, 107.352 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(223, 222, 200) }
```

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

```
.border{ border-color:rgb(223, 222, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 222, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 11.432, 107.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 200) }
```

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

```
.background{ background-color: rgb(223,  
222, 200) }
```

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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