

Converting Colors

CIELCh(89, 23.322, 112.987)

Have a look what the booklet for
CIELCh(89, 23.322, 112.987)
contains.

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Color

CIELCh(89, 23.311, 112.953)

Conversions

Conversions Part 1

Format	Color
Hex	DEE3B6
RGB	222, 227, 182
RGB Percent	87%, 89%, 71%
CMY	0.1277, 0.1081, 0.2847
CMYK	0.02, 0.00, 0.20, 0.11
HSL	67°, 45%, 80%
HSV	67°, 20%, 89%
XYZ	66.3279, 74.1641, 55.2989
YIQ	220.3750, 11.4650, -15.0550

Conversions

Conversions Part 2

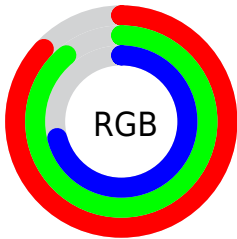
Format	Color
R _Y B	182, 227, 187
Decimal	14607286
CIE Lab	89.00, -9.09, 21.47
CIE LCh	89, 23.311, 112.953
Yxy	74.1641, 0.3388, 0.3788
Android (android.graphics.Color)	4292797366 (0xFFDEE3B6)
YUV	220.3750, -18.9189, 1.4251
Hunter-Lab	86.1186, -13.2283, 22.2114

Details

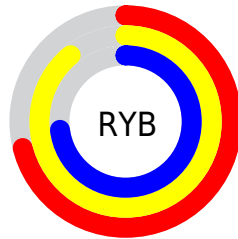
The CIELCh color **89, 23.311, 112.953** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 24.387, 296.364**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 8.605, 109.524**, and **69, 23.415, 112.791** is the 20% darker color. If you saturate the color by 10%, you get **88, 34.896, 112.151**, and if you desaturate by 10%, it is **90, 11.567, 113.764**.

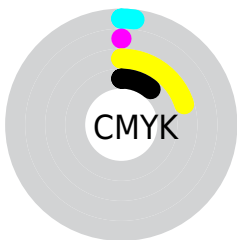
Distribution



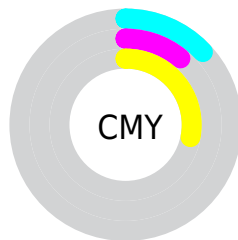
- Red (87%)
- Green (89%)
- Blue (71%)



- Red (71%)
- Yellow (89%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)





- Cyan (13%)
- Magenta (11%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 23.311, 112.953 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 89, 23.311, 112.953 by changing the saturation by 10% instead.


 89, 23.311,
112.953


 89, 23.311,
112.953


 100, 23.311,
112.953


 79, 23.311,
112.953

 69, 23.311,
112.953

 59, 23.311,
112.953

 49, 23.311,
112.953

 39, 23.311,
112.953

 29, 23.311,
112.953

 19, 23.311,

112.953

■ 9, 23.311, 112.953

■ 0, 23.311, 112.953

■ 89, 23.311,
112.953

■ 89, 23.311,
112.953

■ 88, 34.896,
112.151

■ 90, 11.567,
113.764

■ 88, 46.184,
111.369

■ 90, 0.254, 294.656

■ 87, 56.972,
110.643

■ 91, 12.092,
295.332

■ 87, 66.953,
110.015

■ 92, 14.433,
298.236

■ 87, 75.687,

■ 92, 14.571,
301.615

109.545

92, 14.758,
304.936

86, 82.627,
109.303

92, 14.992,
308.180

86, 87.261,
109.356

92, 15.273,
311.331

86, 89.635,
109.705

93, 15.597,
314.373

86, 89.676,
109.713

Harmonies

Complementary

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



89, 23.311, 112.953



76, 24.387, 296.364

Rectangle

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



89, 23.311, 112.953



89, 23.311, 162.953



89, 23.311, 292.953



89, 23.311, 342.953

Sweetspot

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



89, 23.313, 112.957



100, 7.776, 114.063



79, 15.842, 29.234



53, 5.158, 114.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 23.313, 112.957



98, 30.951, 112.605



87, 25.492, 131.613



48, 6.757, 113.791



69, 74.796, 109.609



20, 29.458, 109.810

Inverse Universe

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



76, 24.387, 296.364



81, 32.731, 296.844



78, 26.033, 313.337



44, 6.906, 295.346



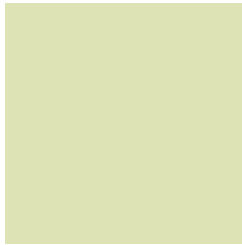
22, 101.744, 306.680



2, 33.892, 299.432

Previews

White Background



This preview shows how the CIELCh color 89, 23.311, 112.953 looks on a white background.

Color Contrast Check

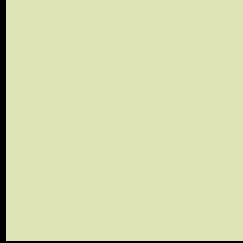
Large Text (above 18pt) WCAG AA × Fail

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 89, 23.311, 112.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

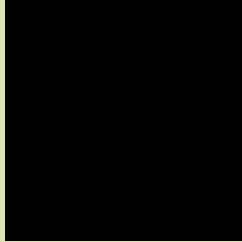
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

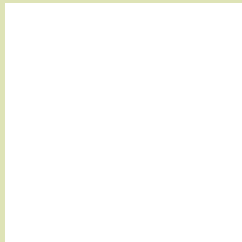
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 23.311, 112.953

Background



This preview shows how black text looks on a background with the CIELCh color 89, 23.311, 112.953.



This preview shows how white text looks on a background with the CIELCh color 89, 23.311, 112.953.

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](#).

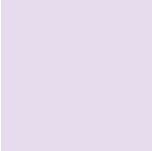
Dichromacy



Original Color
89, 23.311, 112.953

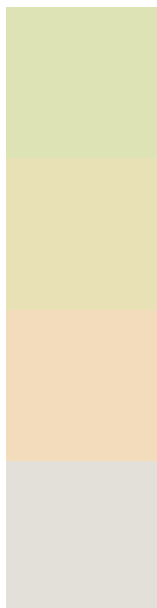
Protanopia
89, 22.910, 94.605

Deuteranopia
89, 20.745, 62.267



Tritanopia
89, 9.583, 312.374

Trichromacy



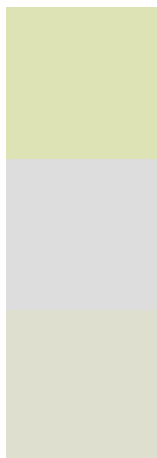
Original Color
89, 23.311, 112.953

Protanomaly
89, 22.888, 101.509

Deuteranomaly
89, 19.325, 81.413

Tritanomaly
89, 3.419, 84.772

Monochromacy



Original Color
89, 23.311, 112.953

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 8.320, 112.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 23.311, 112.953 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(222, 227, 182)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 182)  
}
```

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(222, 227, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 23.311, 112.953 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(222, 227, 182) }
```

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

```
.border{ border-color:rgb(222, 227, 182) }
```

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

Here you see how a box with a 4 pixel rgb(222, 227, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 227, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 227, 182);  
box-shadow:4px 4px 4px 4px rgb(222, 227,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 23.311, 112.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 227, 182) }
```

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

```
.background{ background-color: rgb(222,  
227, 182) }
```

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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