

Converting Colors

CIELCh(83, 23.137, 89.706)

Have a look what the booklet for
CIELCh(83, 23.137, 89.706) contains.

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Color

CIELCh(83, 23.350, 89.369)

Conversions

Conversions Part 1

Format	Color
Hex	E0CDA3
RGB	224, 205, 163
RGB Percent	88%, 80%, 64%
CMY	0.1215, 0.1960, 0.3607
CMYK	0.00, 0.08, 0.27, 0.12
HSL	41°, 50%, 76%
HSV	41°, 27%, 88%
XYZ	59.1909, 62.1629, 43.5353
YIQ	205.8930, 24.8060, -9.0340

Conversions

Conversions Part 2

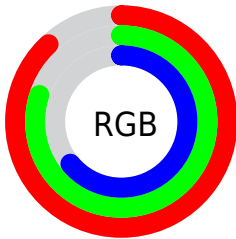
Format	Color
RYB	191, 224, 163
Decimal	14732707
CIELab	83.00, 0.26, 23.35
CIELCh	83, 23.350, 89.369
Yxy	62.1629, 0.3590, 0.3770
Android (android.graphics.Color)	4292922787 (0xFFE0CDA3)
YUV	205.8930, -21.1462, 15.8798
Hunter-Lab	78.8435, -3.9691, 22.4521

Details

The CIELCh color $83, 23.350, 89.369$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $74, 23.376, 276.919$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.707, 108.762$, and $63, 23.397, 89.593$ is the 20% darker color. If you saturate the color by 10%, you get $81, 32.170, 88.034$, and if you desaturate by 10%, it is $85, 14.643, 90.675$.

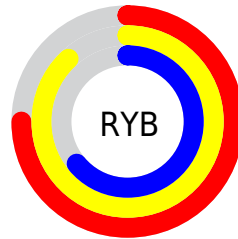
Distribution



Red (88%)

Green (80%)

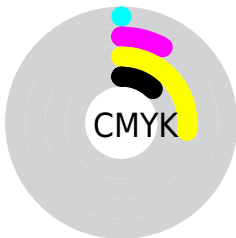
Blue (64%)



Red (75%)

Yellow (88%)

Blue (64%)

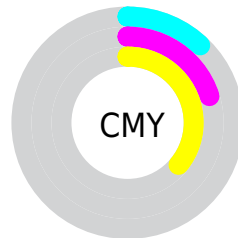


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (12%)



Cyan (12%)

Magenta (20%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 23.350, 89.369 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 83, 23.350, 89.369 by changing the saturation by 10% instead.

 83, 23.350, 89.369

 83, 23.350, 89.369

 100, 23.350,
89.369

 73, 23.350, 89.369

 63, 23.350, 89.369

 53, 23.350, 89.369

 43, 23.350, 89.369

 33, 23.350, 89.369

 23, 23.350, 89.369

 13, 23.350, 89.369

 3, 23.350, 89.369

 0, 23.350, 89.369

■ 83, 23.350, 89.369

■ 83, 23.350, 89.369

■ 81, 32.170, 88.034

■ 85, 14.643, 90.675

■ 79, 41.019, 86.652

■ 88, 6.081, 91.914

■ 77, 49.741, 85.223

■ 90, 2.321, 273.277

■ 75, 58.040, 83.725

■ 92, 10.565,
274.362

■ 73, 65.406, 82.101

■ 94, 9.349, 255.708

■ 71, 71.075, 80.245

■ 96, 8.702, 227.727

■ 69, 74.282, 77.997

■ 98, 10.108,
202.182

■ 69, 74.954, 77.344

■ 98, 10.495,
198.806

Harmonies

Complementary

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



83, 23.350, 89.369



74, 23.376, 276.919

Rectangle

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



83, 23.350, 89.369



83, 23.350, 139.369



83, 23.350, 269.369



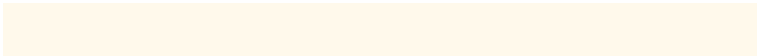
83, 23.350, 319.369

Sweetspot

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



83, 23.351, 89.375



98, 7.482, 91.815



73, 25.401, 357.743



52, 5.326, 91.632



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 23.351, 89.375



92, 31.586, 88.574



87, 31.767, 115.424



46, 4.795, 91.647



55, 62.618, 77.814



14, 21.114, 80.772

Inverse Universe

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



74, 23.376, 276.919



80, 31.650, 278.073



70, 33.770, 299.650



44, 4.805, 274.092



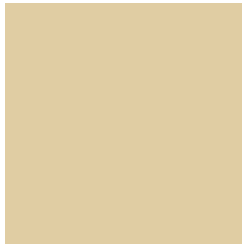
29, 76.333, 297.652



5, 24.656, 287.545

Previews

White Background



This preview shows how the CIELCh color 83, 23.350, 89.369 looks on a white background.

Color Contrast Check

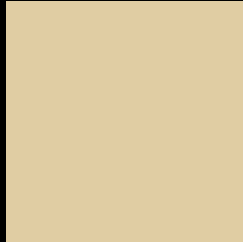
Large Text (above 18pt) WCAG AA × Fail

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 83, 23.350, 89.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

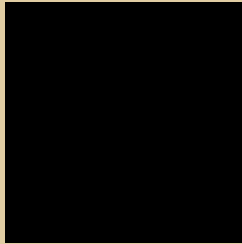
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 23.350, 89.369

Background



This preview shows how black text looks on a background with the CIELCh color 83, 23.350, 89.369.

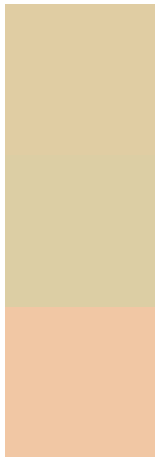


This preview shows how white text looks on a background with the CIELCh color 83, 23.350, 89.369.

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

83, 23.350, 89.369

Protanopia

83, 22.744, 94.140

Deuteranopia

83, 25.189, 66.613



Tritanopia
83, 14.438, 344.815

Trichromacy



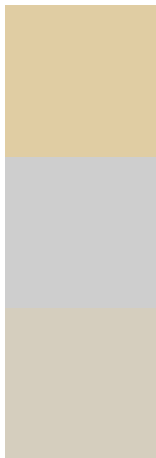
Original Color
83, 23.350, 89.369

Protanomaly
83, 22.847, 93.171

Deuteranomaly
83, 23.897, 73.813

Tritanomaly
83, 10.681, 37.222

Monochromacy



Original Color
83, 23.350, 89.369

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.814, 92.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 23.350, 89.369 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(224, 205, 163)` looks like.

```
.text, #text, p{  
    color:rgb(224, 205, 163)  
}
```

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(224, 205, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 205, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 23.350, 89.369 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(224, 205, 163) }
```

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

```
.border{ border-color:rgb(224, 205, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 205, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 205, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 205, 163);  
box-shadow:4px 4px 4px 4px rgb(224, 205,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 23.350, 89.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 205, 163) }
```

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

```
.background{ background-color: rgb(224,  
205, 163) }
```

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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