

Converting Colors

CIELCh(86, 23.476, 103.417)

Have a look what the booklet for
CIELCh(86, 23.476, 103.417)
contains.

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Color

CIELCh(86, 23.476, 103.417)

Conversions

Conversions Part 1

Format	Color
Hex	DED9AC
RGB	222, 217, 172
RGB Percent	87%, 85%, 67%
CMY	0.1302, 0.1498, 0.3263
CMYK	0.00, 0.02, 0.23, 0.13
HSL	54°, 43%, 77%
HSV	54°, 23%, 87%
XYZ	62.2474, 67.9871, 48.7722
YIQ	213.3650, 17.4250, -12.9350

Conversions

Conversions Part 2

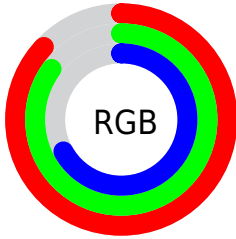
Format	Color
RYB	178, 222, 172
Decimal	14604716
CIELab	86.00, -5.45, 22.84
CIELCh	86, 23.476, 103.417
Yxy	67.9871, 0.3477, 0.3798
Android (android.graphics.Color)	4292794796 (0xFFDED9AC)
YUV	213.3650, -20.3929, 7.5729
Hunter-Lab	82.4543, -9.5395, 22.6476

Details

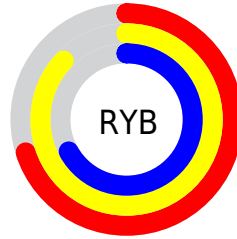
The CIELCh color **86, 23.476, 103.417** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 24.460, 288.603**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **66, 23.606, 103.604** is the 20% darker color. If you saturate the color by 10%, you get **85, 33.796, 102.341**, and if you desaturate by 10%, it is **87, 13.067, 104.490**.

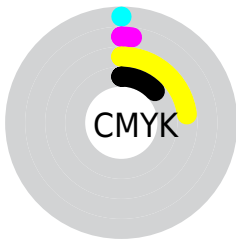
Distribution



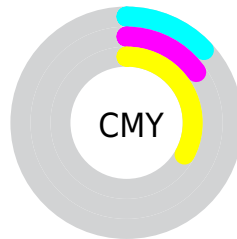
- Red (87%)
- Green (85%)
- Blue (67%)



- Red (70%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (23%)
- Black (13%)




- Cyan (13%)
- Magenta (15%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 23.476, 103.417 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 86, 23.476, 103.417 by changing the saturation by 10% instead.

 86, 23.476,
103.417


 86, 23.476,
103.417


 100, 23.476,
103.417


 76, 23.476,
103.417

 66, 23.476,
103.417

 56, 23.476,
103.417

 46, 23.476,
103.417

 36, 23.476,
103.417

 26, 23.476,
103.417

 16, 23.476,

103.417

■ 6, 23.476, 103.417

■ 0, 23.476, 103.417

■ 86, 23.476,
103.417

■ 86, 23.476,
103.417

■ 85, 33.796,
102.341

■ 87, 13.067,
104.490

■ 84, 43.903,
101.261

■ 88, 2.635, 105.506

■ 83, 53.601,
100.200

■ 89, 7.774, 286.584

■ 82, 62.578, 99.177

■ 90, 15.279,
286.520

■ 82, 70.365, 98.211

■ 91, 14.182,
283.006

■ 81, 76.352, 97.317

■ 91, 13.147,
278.936

■ 80, 79.954, 96.496

■ 92, 12.189,
274.216

■ 80, 81.231, 95.915

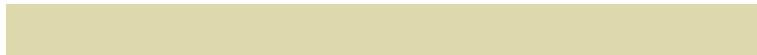
■ 93, 11.327,
268.754

■ 93, 10.582,
262.480

Harmonies

Complementary

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



86, 23.476, 103.417



73, 24.460, 288.603

Rectangle

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



86, 23.476, 103.417



86, 23.476, 153.417



86, 23.476, 283.417



86, 23.476, 333.417

Sweetspot

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



86, 23.478, 103.422



99, 8.162, 105.063



75, 19.525, 13.277



53, 5.304, 105.000



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 23.478, 103.422



97, 31.464, 102.918



86, 27.081, 124.367



46, 5.860, 104.817



64, 67.668, 96.039



16, 24.010, 98.367

Inverse Universe

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



73, 24.460, 288.603



80, 33.102, 289.318



73, 28.126, 306.730



42, 5.964, 286.868



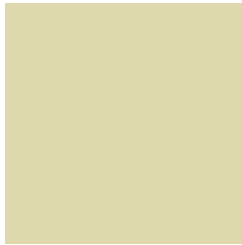
22, 95.284, 304.883



3, 27.554, 292.703

Previews

White Background



This preview shows how the CIELCh color 86, 23.476, 103.417 looks on a white background.

Color Contrast Check

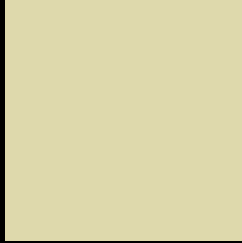
Large Text (above 18pt) WCAG AA × Fail

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 86, 23.476, 103.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

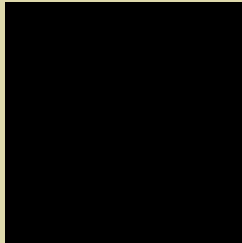
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

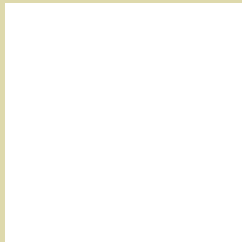
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 23.476, 103.417

Background



This preview shows how black text looks on a background with the CIELCh color 86, 23.476, 103.417.



This preview shows how white text looks on a background with the CIELCh color 86, 23.476, 103.417.

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

86, 23.476, 103.417

Protanopia

86, 23.572, 94.741

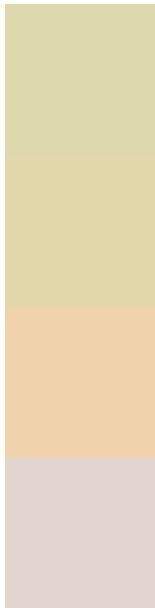
Deuteranopia

86, 24.447, 64.576



Tritanopia
86, 11.491, 329.337

Trichromacy



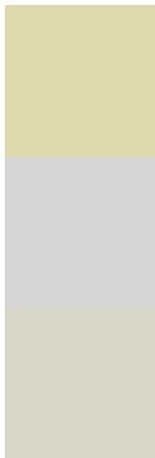
Original Color
86, 23.476, 103.417

Protanomaly
86, 23.740, 98.684

Deuteranomaly
86, 22.996, 78.668

Tritanomaly
86, 6.039, 50.889

Monochromacy



Original Color
86, 23.476, 103.417

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 8.397, 104.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 23.476, 103.417 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, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 172)  
}
```

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, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 217, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 23.476, 103.417 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, 217, 172) }
```

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

```
.border{ border-color:rgb(222, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(222, 217,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 23.476, 103.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 217, 172) }
```

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

```
.background{ background-color: rgb(222,  
217, 172) }
```

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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