

Converting Colors

CIELCh(86, 19.383, 99.381)

Have a look what the booklet for
CIELCh(86, 19.383, 99.381) contains.

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Color

CIELCh(86, 19.519, 99.423)

Conversions

Conversions Part 1

Format	Color
Hex	E0D8B3
RGB	224, 216, 179
RGB Percent	88%, 85%, 70%
CMY	0.1228, 0.1542, 0.2992
CMYK	0.00, 0.04, 0.20, 0.12
HSL	49°, 42%, 79%
HSV	49°, 20%, 88%
XYZ	63.2208, 67.9871, 52.2756
YIQ	214.1740, 16.6450, -9.8110

Conversions

Conversions Part 2

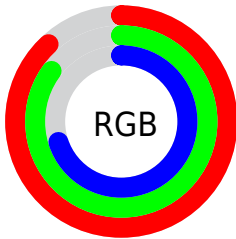
Format	Color
R _Y B	189, 224, 179
Decimal	14735539
CIE Lab	86.00, -3.20, 19.26
CIE LCh	86, 19.519, 99.423
Yxy	67.9871, 0.3446, 0.3705
Android (android.graphics.Color)	4292925619 (0xFFE0D8B3)
YUV	214.1740, -17.3408, 8.6174
Hunter-Lab	82.4543, -7.4323, 20.1285

Details

The CIELCh color $86, 19.519, 99.423$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $76, 20.030, 284.305$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 10.124, 109.411$, and $66, 19.448, 99.563$ is the 20% darker color. If you saturate the color by 10%, you get $85, 29.258, 98.256$, and if you desaturate by 10%, it is $87, 9.784, 100.571$.

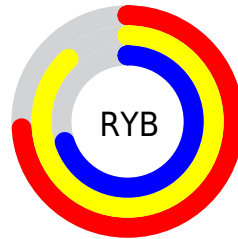
Distribution



Red (88%)

Green (85%)

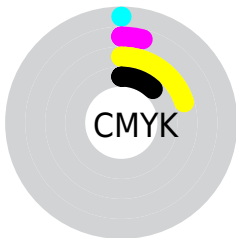
Blue (70%)



Red (74%)

Yellow (88%)

Blue (70%)

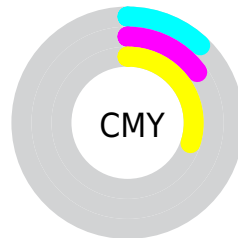


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 19.519, 99.423 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, 19.519, 99.423 by changing the saturation by 10% instead.

■ 86, 19.519, 99.423

■ 86, 19.519, 99.423

■ 100, 19.519,
99.423

■ 76, 19.519, 99.423

■ 66, 19.519, 99.423

■ 56, 19.519, 99.423

■ 46, 19.519, 99.423

■ 36, 19.519, 99.423

■ 26, 19.519, 99.423

■ 16, 19.519, 99.423

■ 6, 19.519, 99.423

■ 0, 19.519, 99.423

86, 19.519, 99.423

86, 19.519, 99.423

85, 29.258, 98.256

87, 9.784, 100.571

83, 38.912, 97.062

89, 0.097, 100.079

82, 48.334, 95.857

91, 9.516, 282.794

81, 57.269, 94.648

92, 12.355,
278.672

79, 65.309, 93.437

93, 10.727,
269.004

78, 71.850, 92.214

77, 76.180, 90.944

94, 9.499, 256.458

76, 78.135, 89.603

95, 8.832, 241.238

96, 8.847, 224.936

97, 9.532, 209.915

Harmonies

Complementary

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



86, 19.519, 99.423



76, 20.030, 284.305

Rectangle

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



86, 19.519, 99.423



86, 19.519, 149.423



86, 19.519, 279.423



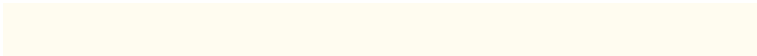
86, 19.519, 329.423

Sweetspot

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



86, 19.521, 99.429



99, 6.444, 101.018



77, 17.662, 6.546



53, 4.276, 100.947



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, 19.521, 99.429



96, 25.926, 98.955



87, 23.961, 121.294



46, 5.507, 100.645



61, 65.401, 89.842



16, 23.597, 92.575

Inverse Universe

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



76, 20.030, 284.305



83, 26.755, 284.932



75, 24.893, 303.674



44, 5.580, 282.843



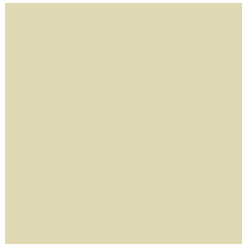
24, 90.415, 303.046



4, 27.774, 291.846

Previews

White Background



This preview shows how the CIELCh color 86, 19.519, 99.423 looks on a white background.

Color Contrast Check

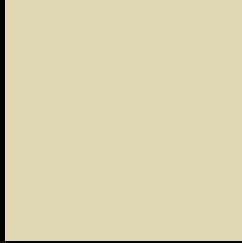
Large Text (above 18pt) WCAG AA × Fail

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, 19.519, 99.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

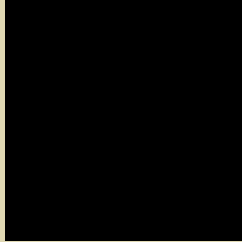
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

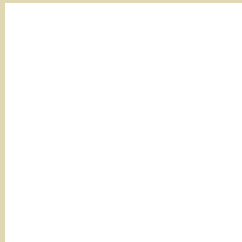
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 19.519, 99.423

Background



This preview shows how black text looks on a background with the CIELCh color 86, 19.519, 99.423.



This preview shows how white text looks on a background with the CIELCh color 86, 19.519, 99.423.

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, 19.519, 99.423

Protanopia

86, 19.844, 94.968

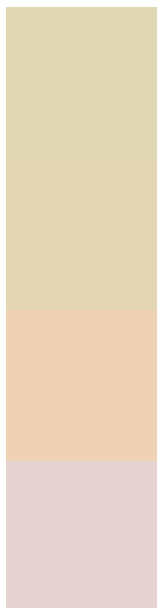
Deuteranopia

86, 21.551, 60.771



Tritanopia
86, 11.719, 330.734

Trichromacy



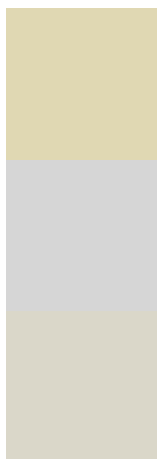
Original Color
86, 19.519, 99.423

Protanomaly
86, 19.755, 96.068

Deuteranomaly
86, 19.416, 73.219

Tritanomaly
86, 6.344, 29.239

Monochromacy



Original Color
86, 19.519, 99.423

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.391, 100.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 19.519, 99.423 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, 216, 179)` looks like.

```
.text, #text, p{  
    color:rgb(224, 216, 179)  
}
```

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, 216, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 216, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 19.519, 99.423 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, 216, 179) }
```

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

```
.border{ border-color:rgb(224, 216, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 216, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 216, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 216, 179);  
box-shadow:4px 4px 4px 4px rgb(224, 216,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 19.519, 99.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 216, 179) }
```

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

```
.background{ background-color: rgb(224,  
216, 179) }
```

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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