

Converting Colors

CIELCh(86, 27.908, 102.064)

Have a look what the booklet for
CIELCh(86, 27.908, 102.064)
contains.

CIELCh(86, 28.158, 102.140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 28.158, 102.140)

Conversions

Conversions Part 1

Format	Color
Hex	E0D9A3
RGB	224, 217, 163
RGB Percent	88%, 85%, 64%
CMY	0.1223, 0.1497, 0.3615
CMYK	0.00, 0.03, 0.27, 0.12
HSL	53°, 49%, 76%
HSV	53°, 27%, 88%
XYZ	62.0437, 67.9871, 44.4212
YIQ	212.9370, 21.5060, -15.3100

Conversions

Conversions Part 2

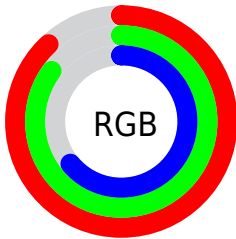
Format	Color
RYB	171, 224, 163
Decimal	14735779
CIELab	86.00, -5.92, 27.53
CIELCh	86, 28.158, 102.140
Yxy	67.9871, 0.3556, 0.3897
Android (android.graphics.Color)	4292925859 (0xFFE0D9A3)
YUV	212.9370, -24.6189, 9.7023
Hunter-Lab	82.4543, -9.9807, 25.7763

Details

The CIELCh color **86, 28.158, 102.140** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 29.554, 288.637**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **66, 27.960, 101.977** is the 20% darker color. If you saturate the color by 10%, you get **85, 38.350, 101.041**, and if you desaturate by 10%, it is **87, 17.843, 103.238**.

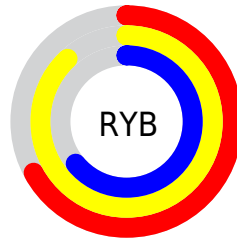
Distribution



Red (88%)

Green (85%)

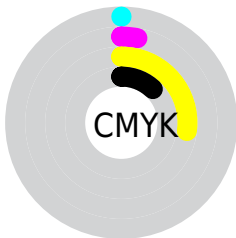
Blue (64%)



Red (67%)

Yellow (88%)

Blue (64%)

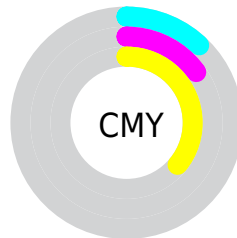


Cyan (0%)

Magenta (3%)

Yellow (27%)

Black (12%)



Cyan (12%)


Magenta (15%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 28.158, 102.140 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, 28.158, 102.140 by changing the saturation by 10% instead.


 86, 28.158,
102.140


 86, 28.158,
102.140


 100, 28.158,
102.140


 76, 28.158,
102.140

 66, 28.158,
102.140

 56, 28.158,
102.140

 46, 28.158,
102.140

 36, 28.158,
102.140

 26, 28.158,
102.140

 16, 28.158,

102.140

■ 6, 28.158, 102.140

■ 0, 28.158, 102.140

■ 86, 28.158,
102.140

■ 86, 28.158,
102.140

■ 85, 38.350,
101.041

■ 87, 17.843,
103.238

■ 84, 48.267, 99.943

■ 88, 7.488, 104.306

■ 83, 57.666, 98.866

■ 89, 2.852, 285.414

■ 82, 66.166, 97.827

■ 91, 13.145,
286.393

■ 81, 73.217, 96.839

■ 91, 13.243,
282.672

■ 81, 78.167, 95.908

■ 80, 80.584, 95.015

■ 92, 12.064,
277.511

■ 80, 81.016, 94.772

■ 93, 11.003,
271.321

■ 93, 10.094,
263.944

■ 94, 9.382, 255.313

Harmonies

Complementary

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



86, 28.158, 102.140



71, 29.554, 288.637

Rectangle

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



86, 28.158, 102.140



86, 28.158, 152.140



86, 28.158, 282.140



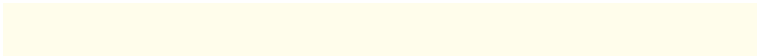
86, 28.158, 332.140

Sweetspot

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



86, 28.160, 102.145



99, 9.189, 104.221



73, 24.149, 12.585



53, 6.532, 104.062



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, 28.160, 102.145



96, 37.840, 101.484



86, 32.817, 123.484



47, 5.881, 104.075



64, 67.764, 94.913



17, 25.040, 97.114

Inverse Universe

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



71, 29.554, 288.637



75, 40.236, 289.646



71, 34.427, 306.462



43, 5.981, 286.157



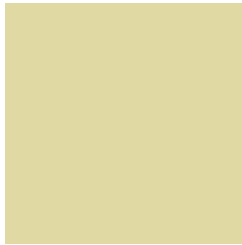
22, 95.419, 304.615



3, 29.127, 293.379

Previews

White Background



This preview shows how the CIELCh color 86, 28.158, 102.140 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 CIE LCh color 86, 28.158, 102.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

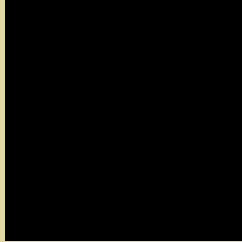
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

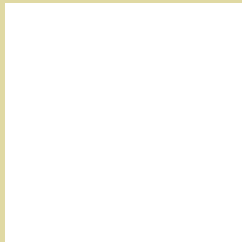
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 28.158, 102.140

Background



This preview shows how black text looks on a background with the CIELCh color 86, 28.158, 102.140.



This preview shows how white text looks on a background with the CIELCh color 86, 28.158, 102.140.

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, 28.158, 102.140

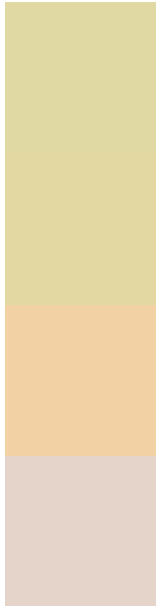
Protanopia
86, 28.207, 95.605

Deuteranopia
86, 28.580, 68.081



Tritanopia
86, 11.572, 333.811

Trichromacy



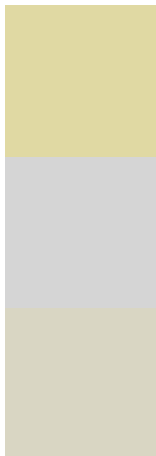
Original Color
86, 28.158, 102.140

Protanomaly
86, 28.453, 98.136

Deuteranomaly
86, 27.346, 80.210

Tritanomaly
86, 7.924, 60.856

Monochromacy



Original Color
86, 28.158, 102.140

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 9.993, 102.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 28.158, 102.140 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, 217, 163)` looks like.

```
.text, #text, p{  
    color:rgb(224, 217, 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, 217, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 217, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 28.158, 102.140 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, 217, 163) }
```

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

```
.border{ border-color:rgb(224, 217, 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, 217, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 217, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 217, 163);  
box-shadow:4px 4px 4px 4px rgb(224, 217,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 28.158, 102.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 217, 163) }
```

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

```
.background{ background-color: rgb(224,  
217, 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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