

Converting Colors

CIELCh(86, 82.605, 103.194)

Have a look what the booklet for
CIELCh(86, 82.605, 103.194)
contains.

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Color

CIELCh(86, 82.639, 103.219)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE24
RGB	222, 222, 36
RGB Percent	87%, 87%, 14%
CMY	0.1289, 0.1289, 0.8580
CMYK	0.00, 0.00, 0.84, 0.13
HSL	60°, 74%, 51%
HSV	60°, 84%, 87%
XYZ	56.6402, 67.9871, 11.8220
YIQ	200.7960, 59.7060, -57.8460

Conversions

Conversions Part 2

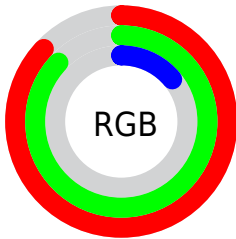
Format	Color
RYB	36, 222, 36
Decimal	14605860
CIELab	86.00, -18.90, 80.45
CIElCh	86, 82.639, 103.219
Yxy	67.9871, 0.4151, 0.4983
Android (android.graphics.Color)	4292795940 (0xFFDEDE24)
YUV	200.7960, -81.2444, 18.5959
Hunter-Lab	82.4543, -21.6782, 49.2173

Details

The CIELCh color **86, 82.639, 103.219** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **32, 109.620, 304.575**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **66, 70.641, 104.691** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.118, 102.945**, and if you desaturate by 10%, it is **86, 76.761, 103.694**.

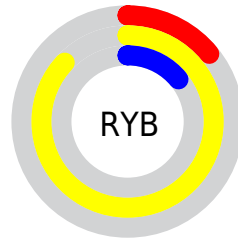
Distribution



Red (87%)

Green (87%)

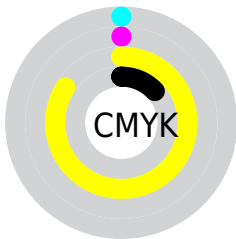
Blue (14%)



Red (14%)

Yellow (87%)

Blue (14%)

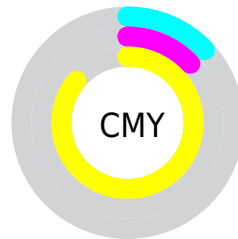


Cyan (0%)

Magenta (0%)

Yellow (84%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 82.639, 103.219 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, 82.639, 103.219 by changing the saturation by 10% instead.


 86, 82.639,
103.219


 86, 82.639,
103.219


 100, 82.639,
103.219


 76, 82.639,
103.219

 66, 82.639,
103.219

 56, 82.639,
103.219

 46, 82.639,
103.219

 36, 82.639,
103.219

 26, 82.639,
103.219

 16, 82.639,

103.219

■ 6, 82.639, 103.219

■ 0, 82.639, 103.219

■ 86, 82.639,
103.219

■ 86, 82.639,
103.219

■ 86, 86.118,
102.945

■ 86, 76.761,
103.694

■ 86, 87.316,
102.851

■ 86, 68.890,
104.340

■ 86, 59.578,
105.118

■ 87, 49.311,
105.988

■ 87, 38.447,

106.918

■ 87, 27.224,
107.880

■ 88, 15.799,
108.851

■ 88, 4.271, 109.807

■ 89, 7.297, 290.783

Harmonies

Complementary

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



86, 82.639, 103.219



32, 109.620, 304.575

Rectangle

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



86, 82.639, 103.219



86, 82.639, 153.219



86, 82.639, 283.219



86, 82.639, 333.219

Sweetspot

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



86, 82.639, 103.221



99, 32.089, 107.735



48, 82.455, 34.472



52, 21.845, 107.393



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, 82.639, 103.221



97, 96.909, 102.851



80, 90.901, 126.114



47, 6.607, 109.262



70, 73.365, 102.851



19, 27.933, 103.884

Inverse Universe

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



32, 109.620, 304.575



32, 133.815, 306.287



40, 103.696, 312.123



43, 6.754, 291.159



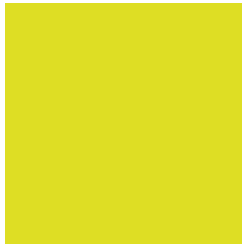
21, 101.304, 306.287



2, 31.634, 295.829

Previews

White Background



This preview shows how the CIELCh color 86, 82.639, 103.219 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, 82.639, 103.219 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, 82.639, 103.219

Background



This preview shows how black text looks on a background with the CIELCh color 86, 82.639, 103.219.

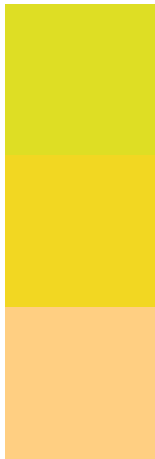


This preview shows how white text looks on a background with the CIELCh color 86, 82.639, 103.219.

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, 82.639, 103.219

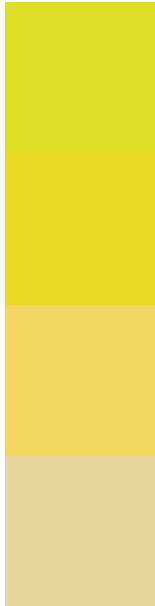
Protanopia
86, 81.743, 94.934

Deuteranopia
86, 45.114, 80.203



Tritanopia
86, 13.743, 342.912

Trichromacy



Original Color
86, 82.639, 103.219

Protanomaly
86, 81.920, 98.053

Deuteranomaly
86, 60.354, 92.783

Tritanomaly
86, 31.153, 93.371

Monochromacy



Original Color
86, 82.639, 103.219

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 35.362, 107.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 82.639, 103.219 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, 222, 36)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 36)  
}
```

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, 222, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 82.639, 103.219 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, 222, 36) }
```

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

```
.border{ border-color:rgb(222, 222, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 36);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 82.639, 103.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 36) }
```

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

```
.background{ background-color: rgb(222,  
222, 36) }
```

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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