

Converting Colors

CIELCh(86, 82.471, 103.104)

Have a look what the booklet for
CIELCh(86, 82.471, 103.104)
contains.

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Color

CIELCh(86, 82.425, 103.236)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE25
RGB	222, 222, 37
RGB Percent	87%, 87%, 15%
CMY	0.1289, 0.1289, 0.8542
CMYK	0.00, 0.00, 0.83, 0.13
HSL	60°, 74%, 51%
HSV	60°, 83%, 87%
XYZ	56.6504, 67.9871, 11.9017
YIQ	200.9100, 59.3850, -57.5350

Conversions

Conversions Part 2

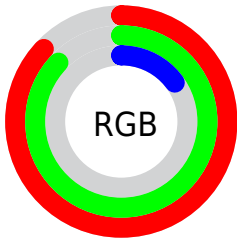
Format	Color
R_{YB}	37, 222, 37
Decimal	14605861
CIE _{Lab}	86.00, -18.87, 80.24
CIE _{LCh}	86, 82.425, 103.236
Yxy	67.9871, 0.4149, 0.4979
Android (android.graphics.Color)	4292795941 (0xFFDEDE25)
YUV	200.9100, -80.8076, 18.4959
Hunter-Lab	82.4543, -21.6563, 49.1599

Details

The CIELCh color **86, 82.425, 103.236** 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, 109.156, 304.502**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.857, 104.610**, and **66, 70.641, 104.691** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.013, 102.953**, and if you desaturate by 10%, it is **86, 76.448, 103.720**.

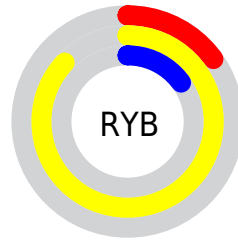
Distribution



Red (87%)

Green (87%)

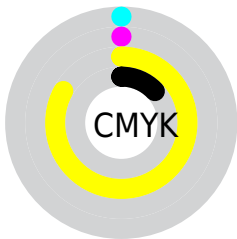
Blue (15%)



Red (15%)

Yellow (87%)

Blue (15%)

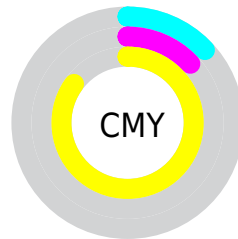


Cyan (0%)

Magenta (0%)

Yellow (83%)

Black (13%)



Cyan (13%)

Magenta (13%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 82.425, 103.236 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, 82.425, 103.236 by changing the saturation by 10% instead.


 86, 82.425,
103.236


 86, 82.425,
103.236


 100, 82.425,
103.236


 76, 82.425,
103.236


 66, 82.425,
103.236

 56, 82.425,
103.236

 46, 82.425,
103.236

 36, 82.425,
103.236


 26, 82.425,
103.236


 16, 82.425,


103.236


 6, 82.425, 103.236


 0, 82.425, 103.236


 86, 82.425,
103.236


 86, 82.425,
103.236

 86, 86.013,
102.953

 86, 76.448,
103.720

 86, 87.313,
102.851

 86, 68.501,
104.372

 86, 59.138,
105.155

 87, 48.839,
106.029

 87, 37.954,

106.960

■ 87, 26.720,
107.923

■ 88, 15.289,
108.894

■ 88, 3.758, 109.847

■ 89, 7.809, 290.824

Harmonies

Complementary

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



86, 82.425, 103.236



32, 109.156, 304.502

Rectangle

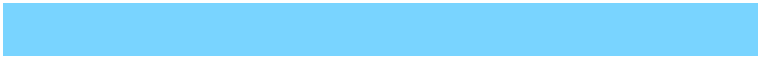
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 82.425, 103.236



86, 82.425, 153.236



86, 82.425, 283.236



86, 82.425, 333.236

Sweetspot

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



86, 82.425, 103.238



99, 32.089, 107.735



48, 82.054, 34.304



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, 82.425, 103.238



97, 96.909, 102.851



80, 90.626, 126.088



47, 6.607, 109.262



70, 73.365, 102.851



19, 27.933, 103.885

Inverse Universe

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



32, 109.156, 304.502



32, 133.815, 306.287



40, 103.328, 312.128



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, 82.425, 103.236 looks on a white background.

Color Contrast Check

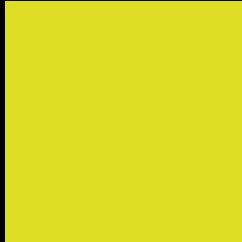
Large Text (above 18pt) WCAG AA × Fail

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, 82.425, 103.236 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, 82.425, 103.236

Background



This preview shows how black text looks on a background with the CIELCh color 86, 82.425, 103.236.



This preview shows how white text looks on a background with the CIELCh color 86, 82.425, 103.236.

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, 82.425, 103.236

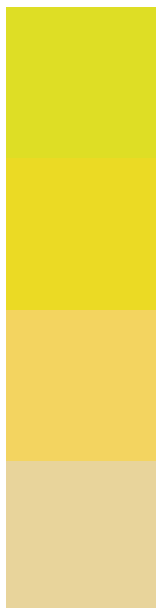
Protanopia
86, 81.534, 94.931

Deuteranopia
86, 45.114, 80.203



Tritanopia
86, 13.743, 342.912

Trichromacy



Original Color
86, 82.425, 103.236

Protanomaly
86, 81.708, 98.058

Deuteranomaly
85, 60.051, 92.311

Tritanomaly
85, 30.789, 92.454

Monochromacy



Original Color
86, 82.425, 103.236

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, 82.425, 103.236 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 82.425, 103.236 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, 37) }
```

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

```
.border{ border-color:rgb(222, 222, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 37);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 82.425, 103.236 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, 37) }
```

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

```
.background{ background-color: rgb(222,  
222, 37) }
```

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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