

Converting Colors

CIELCh(86, 72.183, 106.461)

Have a look what the booklet for
CIELCh(86, 72.183, 106.461)
contains.

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Color

CIELCh(86, 72.172, 106.445)

Conversions

Conversions Part 1

Format	Color
Hex	D8DF49
RGB	216, 223, 73
RGB Percent	85%, 87%, 29%
CMY	0.1522, 0.1247, 0.7130
CMYK	0.03, 0.00, 0.67, 0.12
HSL	63°, 70%, 58%
HSV	63°, 67%, 88%
XYZ	56.0229, 67.9871, 16.5067
YIQ	203.8070, 43.9780, -48.1340

Conversions

Conversions Part 2

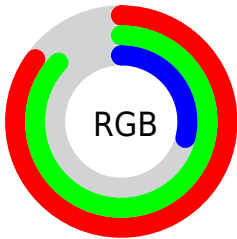
Format	Color
RYB	73, 223, 80
Decimal	14212937
CIELab	86.00, -20.43, 69.22
CIELCh	86, 72.172, 106.445
Yxy	67.9871, 0.3987, 0.4838
Android (android.graphics.Color)	4292403017 (0xFFD8DF49)
YUV	203.8070, -64.4879, 10.6933
Hunter-Lab	82.4543, -23.0146, 45.8486

Details

The CIELCh color **86, 72.172, 106.445** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **41, 88.929, 302.017**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 61.770, 105.450**, and **66, 71.088, 106.494** is the 20% darker color. If you saturate the color by 10%, you get **86, 79.454, 105.979**, and if you desaturate by 10%, it is **86, 63.258, 107.089**.

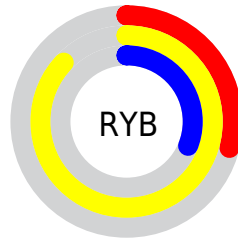
Distribution



Red (85%)

Green (87%)

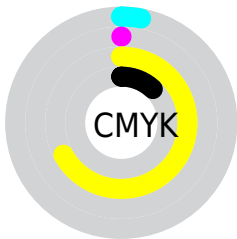
Blue (29%)



Red (29%)

Yellow (87%)

Blue (31%)

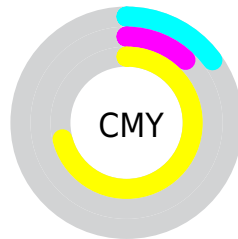


Cyan (3%)

Magenta (0%)

Yellow (67%)

Black (12%)



Cyan (15%)


Magenta (12%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 72.172, 106.445 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, 72.172, 106.445 by changing the saturation by 10% instead.


 86, 72.172,
106.445

 86, 72.172,
106.445

 100, 72.172,
106.445

 76, 72.172,
106.445

 66, 72.172,
106.445

 56, 72.172,
106.445

 46, 72.172,
106.445

 36, 72.172,
106.445

 26, 72.172,
106.445

 16, 72.172,


106.445


 6, 72.172, 106.445

 0, 72.172, 106.445


 86, 72.172,
106.445

 86, 72.172,
106.445


 86, 79.454,
105.979


 86, 63.258,
107.089


 86, 84.565,
105.736


 87, 53.233,
107.852

 86, 87.258,
105.743

 87, 42.498,
108.692

 85, 87.784,
105.767


 87, 31.331,
109.574


 88, 19.911,

110.474

 88, 8.355, 111.370

 89, 3.260, 292.275

 90, 14.884,
293.121

 90, 16.591,
294.280

Harmonies

Complementary

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



86, 72.172, 106.445



41, 88.929, 302.017

Rectangle

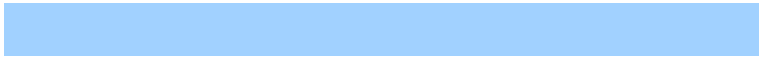
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 72.172, 106.445



86, 72.172, 156.445



86, 72.172, 286.445



86, 72.172, 336.445

Sweetspot

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



86, 72.172, 106.447



99, 25.758, 110.209



54, 65.580, 31.209



53, 17.550, 109.954



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, 72.172, 106.447



96, 90.679, 105.842



81, 79.424, 127.456



47, 6.613, 111.170



69, 73.491, 105.722



19, 27.945, 106.509

Inverse Universe

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



41, 88.929, 302.017



38, 118.807, 304.621



48, 87.082, 313.303



43, 6.761, 292.916



21, 101.063, 306.433



2, 31.702, 296.962

Previews

White Background



This preview shows how the CIELCh color 86, 72.172, 106.445 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, 72.172, 106.445 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, 72.172, 106.445

Background



This preview shows how black text looks on a background with the CIELCh color 86, 72.172, 106.445.

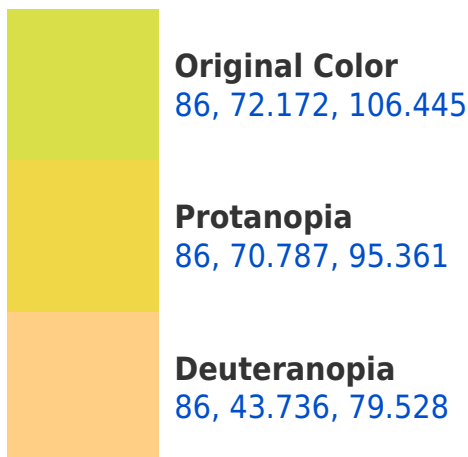


This preview shows how white text looks on a background with the CIELCh color 86, 72.172, 106.445.

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





Tritanopia
86, 11.328, 332.454

Trichromacy



Original Color
86, 72.172, 106.445

Protanomaly
86, 70.852, 99.607

Deuteranomaly
86, 53.413, 92.850

Tritanomaly
86, 23.340, 97.556

Monochromacy



Original Color
86, 72.172, 106.445

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 28.710, 110.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 72.172, 106.445 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(216, 223, 73)` looks like.

```
.text, #text, p{  
    color:rgb(216, 223, 73)  
}
```

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(216, 223, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 223, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 72.172, 106.445 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(216, 223, 73) }
```

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

```
.border{ border-color:rgb(216, 223, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 223, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 223, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 223, 73);  
box-shadow:4px 4px 4px 4px rgb(216, 223,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 72.172, 106.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 223, 73) }
```

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

```
.background{ background-color: rgb(216,  
223, 73) }
```

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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