

Converting Colors

CIELCh(87, 65.557, 102.933)

Have a look what the booklet for
CIELCh(87, 65.557, 102.933)
contains.

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Color

CIELCh(87, 65.503, 102.796)

Conversions

Conversions Part 1

Format	Color
Hex	E4DF5A
RGB	228, 223, 90
RGB Percent	89%, 87%, 35%
CMY	0.1059, 0.1255, 0.6470
CMYK	0.00, 0.02, 0.61, 0.11
HSL	58°, 72%, 62%
HSV	58°, 61%, 89%
XYZ	60.2268, 70.0064, 20.0109
YIQ	209.3330, 45.6730, -40.3030

Conversions

Conversions Part 2

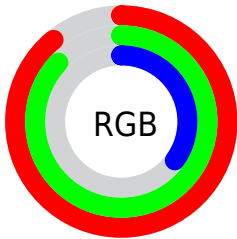
Format	Color
R _Y B	95, 228, 90
Decimal	14999386
CIE Lab	87.00, -14.51, 63.88
CIE LCh	87, 65.503, 102.796
Yxy	70.0064, 0.4009, 0.4660
Android (android.graphics.Color)	4293189466 (0xFFE4DF5A)
YUV	209.3330, -58.8312, 16.3710
Hunter-Lab	83.6698, -17.9351, 44.3888

Details

The CIELCh color **87, 65.503, 102.796** 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 **47, 77.861, 298.566**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 54.455, 106.010**, and **67, 65.564, 102.583** is the 20% darker color. If you saturate the color by 10%, you get **87, 73.927, 102.006**, and if you desaturate by 10%, it is **87, 55.839, 103.689**.

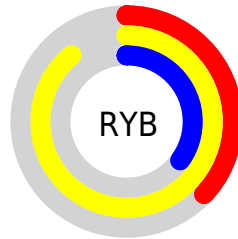
Distribution



Red (89%)

Green (87%)

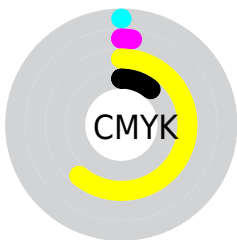
Blue (35%)



Red (37%)

Yellow (89%)

Blue (35%)

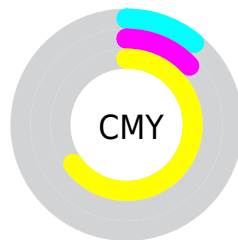


Cyan (0%)

Magenta (2%)

Yellow (61%)

Black (11%)



Cyan (11%)


Magenta (13%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 65.503, 102.796 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 87, 65.503, 102.796 by changing the saturation by 10% instead.


 87, 65.503,
102.796

 87, 65.503,
102.796


 100, 65.503,
102.796


 77, 65.503,
102.796

 67, 65.503,
102.796

 57, 65.503,
102.796

 47, 65.503,
102.796

 37, 65.503,
102.796

 27, 65.503,
102.796

 17, 65.503,

102.796

■ 7, 65.503, 102.796

■ 0, 65.503, 102.796

■ 87, 65.503,
102.796

■ 87, 65.503,
102.796

■ 87, 73.927,
102.006

■ 87, 55.839,
103.689

■ 86, 80.530,
101.344

■ 88, 45.389,
104.644

■ 86, 84.768,
100.839

■ 88, 34.470,
105.636

■ 86, 86.676,
100.489

■ 89, 23.286,
106.644

■ 90, 11.964,

107.648

■ 91, 0.587, 108.500

■ 91, 10.796,
289.624

■ 92, 13.159,
288.854

■ 92, 12.734,
287.479

Harmonies

Complementary

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



87, 65.503, 102.796



47, 77.861, 298.566

Rectangle

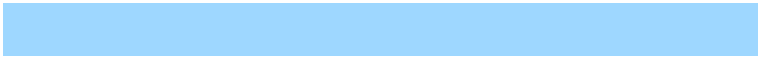
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 65.503, 102.796



87, 65.503, 152.796



87, 65.503, 282.796



87, 65.503, 332.796

Sweetspot

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



87, 65.504, 102.799



99, 22.378, 106.887



57, 59.356, 24.226



52, 15.536, 106.592



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 65.504, 102.799



96, 82.793, 101.797



84, 72.310, 124.600



48, 6.491, 107.754



69, 72.209, 100.527



20, 28.363, 101.699

Inverse Universe

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



47, 77.861, 298.566



44, 104.445, 301.599



51, 80.309, 310.685



44, 6.627, 289.709



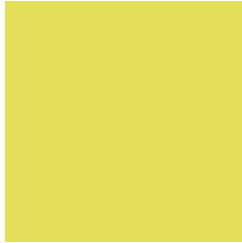
21, 100.717, 305.834



3, 32.829, 296.080

Previews

White Background



This preview shows how the CIELCh color 87, 65.503, 102.796 looks on a white background.

Color Contrast Check

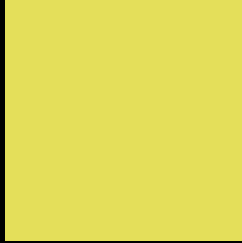
Large Text (above 18pt) WCAG AA × Fail

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 87, 65.503, 102.796 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 87, 65.503, 102.796

Background



This preview shows how black text looks on a background with the CIELCh color 87, 65.503, 102.796.

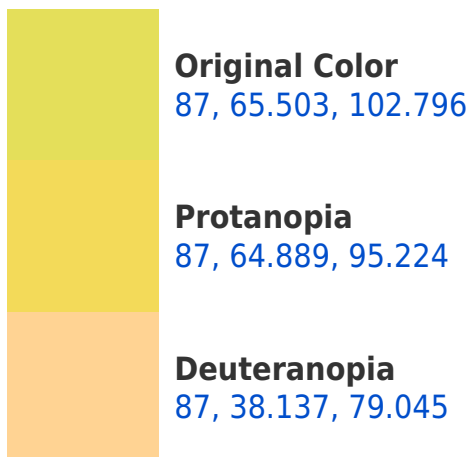



This preview shows how white text looks on a background with the CIELCh color 87, 65.503, 102.796.

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
87, 14.602, 343.079

Trichromacy



Original Color
87, 65.503, 102.796

Protanomaly
87, 65.200, 97.912

Deuteranomaly
87, 47.483, 90.956

Tritanomaly
87, 21.161, 84.570

Monochromacy



Original Color
87, 65.503, 102.796

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 25.019, 106.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 65.503, 102.796 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(228, 223, 90)` looks like.

```
.text, #text, p{  
    color:rgb(228, 223, 90)  
}
```

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(228, 223, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 223, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 65.503, 102.796 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(228, 223, 90) }
```

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

```
.border{ border-color:rgb(228, 223, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 223, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 223, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 223, 90);  
box-shadow:4px 4px 4px 4px rgb(228, 223,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 65.503, 102.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 223, 90) }
```

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

```
.background{ background-color: rgb(228,  
223, 90) }
```

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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