

Converting Colors

CIELCh(87, 52.633, 103.904)

Have a look what the booklet for
CIELCh(87, 52.633, 103.904)
contains.

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Color

CIELCh(87, 52.626, 103.906)

Conversions

Conversions Part 1

Format	Color
Hex	E2DE76
RGB	226, 222, 118
RGB Percent	89%, 87%, 46%
CMY	0.1121, 0.1278, 0.5358
CMYK	0.00, 0.02, 0.48, 0.11
HSL	58°, 65%, 68%
HSV	58°, 48%, 89%
XYZ	61.0128, 70.0064, 27.5530
YIQ	211.3400, 35.7680, -31.4960

Conversions

Conversions Part 2

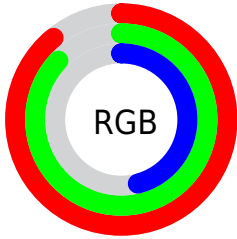
Format	Color
RYB	122, 226, 118
Decimal	14868086
CIELab	87.00, -12.65, 51.08
CIELCh	87, 52.626, 103.906
Yxy	70.0064, 0.3848, 0.4415
Android (android.graphics.Color)	4293058166 (0xFFE2DE76)
YUV	211.3400, -46.0166, 12.8568
Hunter-Lab	83.6698, -16.2584, 39.0443

Details

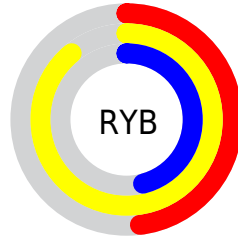
The CIELCh color **87, 52.626, 103.906** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **55, 59.475, 295.702**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **67, 52.519, 103.697** is the 20% darker color. If you saturate the color by 10%, you get **87, 62.493, 102.996**, and if you desaturate by 10%, it is **88, 42.085, 104.878**.

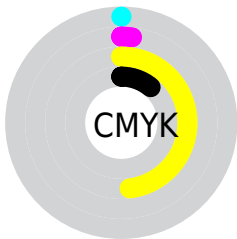
Distribution



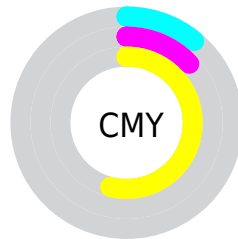
- Red (89%)
- Green (87%)
- Blue (46%)



- Red (48%)
- Yellow (89%)
- Blue (46%)



- Cyan (0%)
- Magenta (2%)
- Yellow (48%)
- Black (11%)




- Cyan (11%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 52.626, 103.906 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, 52.626, 103.906 by changing the saturation by 10% instead.

 87, 52.626,
103.906

 87, 52.626,
103.906


 100, 52.626,
103.906

 77, 52.626,
103.906

 67, 52.626,
103.906

 57, 52.626,
103.906

 47, 52.626,
103.906

 37, 52.626,
103.906

 27, 52.626,
103.906

 17, 52.626,

103.906

■ 7, 52.626, 103.906

■ 0, 52.626, 103.906

■ 87, 52.626,
103.906

■ 87, 52.626,
103.906

■ 87, 62.493,
102.996

■ 88, 42.085,
104.878

■ 86, 71.270,
102.170

■ 88, 31.145,
105.878

■ 86, 78.409,
101.465

■ 89, 19.984,
106.887

■ 86, 83.330,
100.910

■ 89, 8.715, 107.886

■ 85, 85.776,

■ 90, 2.594, 288.917

100.508

91, 13.895,
289.849

85, 86.165,
100.427

91, 13.858,
288.665

91, 13.426,
287.328

92, 13.001,
285.905

Harmonies

Complementary

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



87, 52.626, 103.906



55, 59.475, 295.702

Rectangle

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



87, 52.626, 103.906



87, 52.626, 153.906



87, 52.626, 283.906



87, 52.626, 333.906

Sweetspot

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



87, 52.627, 103.909



99, 17.404, 107.251



62, 45.371, 21.079



53, 12.010, 107.033



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, 52.627, 103.909



96, 68.018, 103.026



85, 57.966, 125.022



47, 6.366, 107.716



68, 71.397, 100.468



19, 26.969, 101.884

Inverse Universe

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



55, 59.475, 295.702



55, 79.756, 297.803



59, 62.774, 309.952



43, 6.499, 289.668



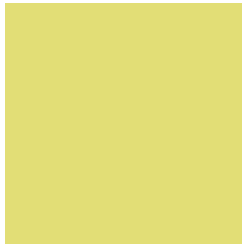
21, 99.577, 305.814



2, 30.817, 295.080

Previews

White Background



This preview shows how the CIELCh color 87, 52.626, 103.906 looks on a white background.

Color Contrast Check

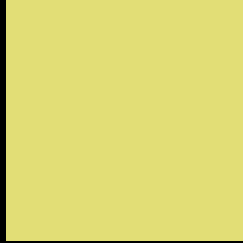
Large Text (above 18pt) WCAG AA × Fail

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, 52.626, 103.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

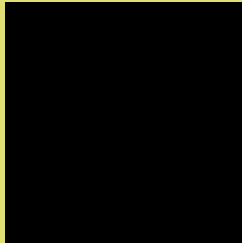
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 52.626, 103.906

Background



This preview shows how black text looks on a background with the CIELCh color 87, 52.626, 103.906.



This preview shows how white text looks on a background with the CIELCh color 87, 52.626, 103.906.

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
87, 52.626, 103.906

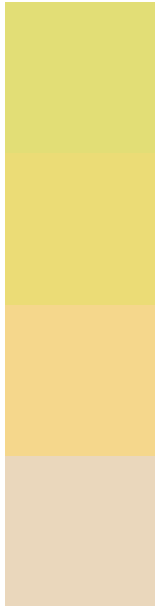
Protanopia
87, 52.223, 95.616

Deuteranopia
87, 35.647, 76.557



Tritanopia
87, 13.473, 339.166

Trichromacy



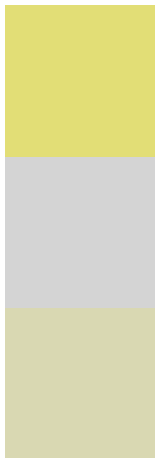
Original Color
87, 52.626, 103.906

Protanomaly
87, 52.140, 98.877

Deuteranomaly
87, 40.777, 89.232

Tritanomaly
87, 15.868, 81.651

Monochromacy



Original Color
87, 52.626, 103.906

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 19.806, 107.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 52.626, 103.906 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(226, 222, 118)` looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 118)  
}
```

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(226, 222, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 52.626, 103.906 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(226, 222, 118) }
```

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

```
.border{ border-color:rgb(226, 222, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 222, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 222, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 222, 118);  
box-shadow:4px 4px 4px 4px rgb(226, 222,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 52.626, 103.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 118) }
```

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

```
.background{ background-color: rgb(226,  
222, 118) }
```

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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