

Converting Colors

CIELCh(87, 64.534, 105.801)

Have a look what the booklet for
CIELCh(87, 64.534, 105.801)
contains.

CIELCh(87, 64.603, 105.864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 64.603, 105.864)

Conversions

Conversions Part 1

Format	Color
Hex	DEE15E
RGB	222, 225, 94
RGB Percent	87%, 88%, 37%
CMY	0.1304, 0.1186, 0.6323
CMYK	0.01, 0.00, 0.58, 0.12
HSL	61°, 68%, 62%
HSV	61°, 58%, 88%
XYZ	58.9105, 70.0064, 20.9402
YIQ	209.1690, 40.2630, -41.3770

Conversions

Conversions Part 2

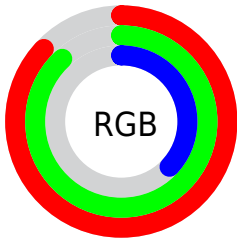
Format	Color
RYB	94, 225, 97
Decimal	14606686
CIELab	87.00, -17.66, 62.14
CIELCh	87, 64.603, 105.864
Yxy	70.0064, 0.3931, 0.4672
Android (android.graphics.Color)	4292796766 (0xFFDEE15E)
YUV	209.1690, -56.7783, 11.2528
Hunter-Lab	83.6698, -20.7434, 43.7303

Details

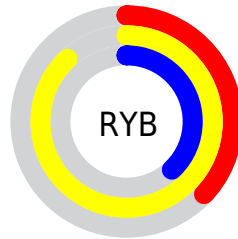
The CIELCh color **87, 64.603, 105.864** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **47, 76.740, 299.759**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 52.583, 106.154**, and **67, 64.643, 105.912** is the 20% darker color. If you saturate the color by 10%, you get **87, 73.404, 105.192**, and if you desaturate by 10%, it is **87, 54.630, 106.659**.

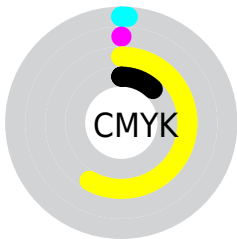
Distribution



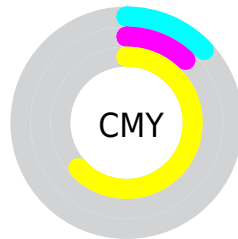
- Red (87%)
- Green (88%)
- Blue (37%)



- Red (37%)
- Yellow (88%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (58%)
- Black (12%)



- Cyan (13%)
- Magenta (12%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 64.603, 105.864 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, 64.603, 105.864 by changing the saturation by 10% instead.

■ 87, 64.603,
105.864

■ 87, 64.603,
105.864

■ 100, 64.603,
105.864

■ 77, 64.603,
105.864

■ 67, 64.603,
105.864

■ 57, 64.603,
105.864

■ 47, 64.603,
105.864

■ 37, 64.603,
105.864

■ 27, 64.603,
105.864

■ 17, 64.603,


105.864


 7, 64.603, 105.864


 0, 64.603, 105.864


 87, 64.603,
105.864

 87, 64.603,
105.864


 87, 73.404,
105.192


 87, 54.630,
106.659


 87, 80.494,
104.684

 88, 43.903,
107.530

 87, 85.345,
104.384

 88, 32.715,
108.445

 86, 87.816,
104.302

 88, 21.258,
109.380

 86, 88.135,

 89, 9.654, 110.313

104.297

■ 90, 2.016, 291.273

■ 90, 13.701,
292.146

■ 90, 15.738,
292.825

■ 90, 15.745,
293.461

Harmonies

Complementary

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



87, 64.603, 105.864



47, 76.740, 299.759

Rectangle

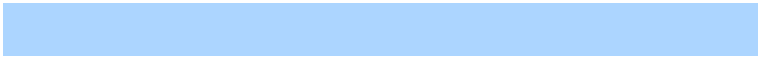
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 64.603, 105.864



87, 64.603, 155.864



87, 64.603, 285.864



87, 64.603, 335.864

Sweetspot

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



87, 64.604, 105.866



99, 21.906, 109.489



57, 56.753, 28.021



53, 14.642, 109.299



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, 64.604, 105.866



97, 82.659, 105.064



83, 70.447, 127.057



47, 6.609, 110.205



69, 73.401, 104.274



19, 27.931, 105.184

Inverse Universe

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



47, 76.740, 299.759



45, 103.555, 302.318



53, 76.618, 312.512



43, 6.757, 292.027



21, 101.185, 306.359



2, 31.666, 296.389

Previews

White Background



This preview shows how the CIELCh color 87, 64.603, 105.864 looks on a white background.

Color Contrast Check

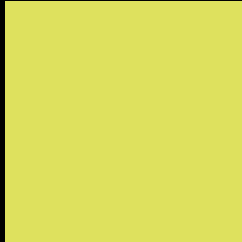
Large Text (above 18pt) WCAG AA × Fail

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, 64.603, 105.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

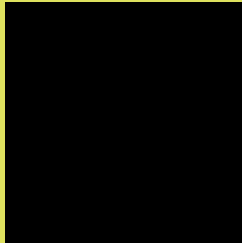
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 64.603, 105.864

Background



This preview shows how black text looks on a background with the CIELCh color 87, 64.603, 105.864.

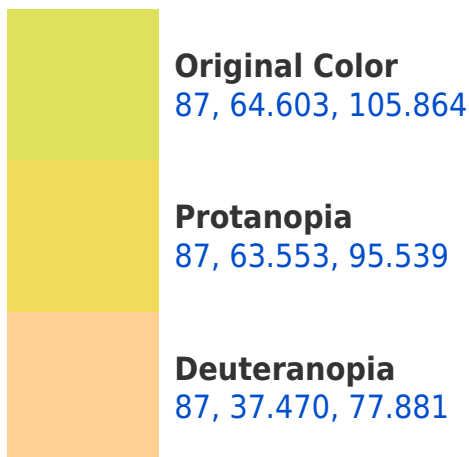


This preview shows how white text looks on a background with the CIELCh color 87, 64.603, 105.864.

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](#).

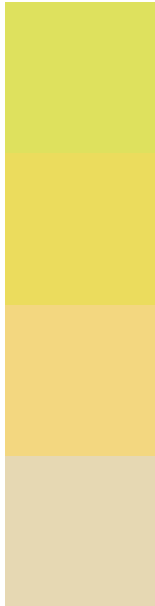
Dichromacy





Tritanopia
87, 12.057, 336.359

Trichromacy



Original Color
87, 64.603, 105.864

Protanomaly
87, 63.360, 99.037

Deuteranomaly
87, 46.293, 91.745

Tritanomaly
87, 20.027, 92.808

Monochromacy



Original Color
87, 64.603, 105.864

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 24.996, 108.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 64.603, 105.864 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, 225, 94)` looks like.

```
.text, #text, p{  
    color:rgb(222, 225, 94)  
}
```

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, 225, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 225, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 64.603, 105.864 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, 225, 94) }
```

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

```
.border{ border-color:rgb(222, 225, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 225, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 225, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 225, 94);  
box-shadow:4px 4px 4px 4px rgb(222, 225,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 64.603, 105.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 225, 94) }
```

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

```
.background{ background-color: rgb(222,  
225, 94) }
```

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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