

Converting Colors

CIELCh(87, 69.861, 104.643)

Have a look what the booklet for
CIELCh(87, 69.861, 104.643)
contains.

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Color

CIELCh(87, 69.861, 104.662)

Conversions

Conversions Part 1

Format	Color
Hex	E0E151
RGB	224, 225, 81
RGB Percent	88%, 88%, 32%
CMY	0.1232, 0.1192, 0.6839
CMYK	0.00, 0.00, 0.64, 0.12
HSL	60°, 70%, 60%
HSV	60°, 64%, 88%
XYZ	58.9008, 70.0064, 18.1155
YIQ	208.2850, 45.6280, -44.9960

Conversions

Conversions Part 2

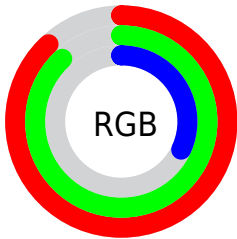
Format	Color
RYB	81, 225, 82
Decimal	14737745
CIELab	87.00, -17.68, 67.59
CIELCh	87, 69.861, 104.662
Yxy	70.0064, 0.4006, 0.4762
Android (android.graphics.Color)	4292927825 (0xFFE0E151)
YUV	208.2850, -62.7515, 13.7821
Hunter-Lab	83.6698, -20.7641, 45.7319

Details

The CIELCh color **87, 69.861, 104.662** 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 **43, 85.150, 300.704**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **67, 69.931, 104.488** is the 20% darker color. If you saturate the color by 10%, you get **87, 77.726, 104.043**, and if you desaturate by 10%, it is **87, 60.519, 105.424**.

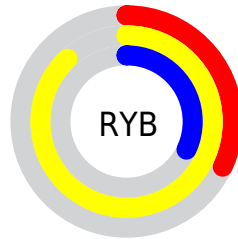
Distribution



Red (88%)

Green (88%)

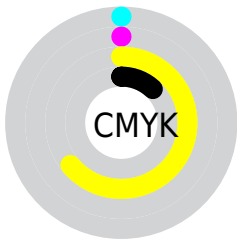
Blue (32%)



Red (32%)

Yellow (88%)

Blue (32%)

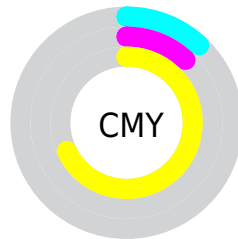


Cyan (0%)

Magenta (0%)

Yellow (64%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 69.861, 104.662 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, 69.861, 104.662 by changing the saturation by 10% instead.


 87, 69.861,
104.662


 87, 69.861,
104.662


 100, 69.861,
104.662

 77, 69.861,
104.662

 67, 69.861,
104.662

 57, 69.861,
104.662

 47, 69.861,
104.662

 37, 69.861,
104.662


 27, 69.861,
104.662


 17, 69.861,

104.662

 7, 69.861, 104.662


 0, 69.861, 104.662

 87, 69.861,
104.662


 87, 69.861,
104.662


 87, 77.726,
104.043


 87, 60.519,
105.424

 87, 83.554,
103.601


 87, 50.193,
106.280

 87, 86.951,
103.365

 88, 39.252,
107.197

 87, 88.056,
103.301

 88, 27.939,
108.148

 89, 16.417,

109.109

■ 89, 4.786, 110.056

■ 90, 6.886, 291.020

■ 90, 15.805,
291.761

■ 90, 15.806,
291.957

Harmonies

Complementary

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



87, 69.861, 104.662



43, 85.150, 300.704

Rectangle

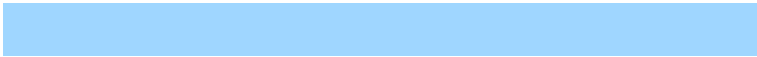
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 69.861, 104.662



87, 69.861, 154.662



87, 69.861, 284.662



87, 69.861, 334.662

Sweetspot

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



87, 69.862, 104.664



99, 24.460, 108.626



54, 63.824, 28.720



53, 16.813, 108.349



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, 69.862, 104.664



97, 88.031, 103.869



82, 76.069, 126.347



47, 6.607, 109.555



70, 73.371, 103.293



19, 27.931, 104.288

Inverse Universe

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



43, 85.150, 300.704



40, 113.892, 303.541



49, 83.863, 312.260



43, 6.755, 291.428



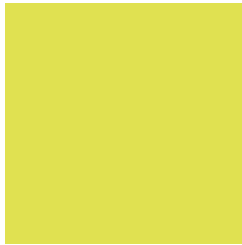
21, 101.268, 306.310



2, 31.644, 296.003

Previews

White Background



This preview shows how the CIELCh color 87, 69.861, 104.662 looks on a white background.

Color Contrast Check

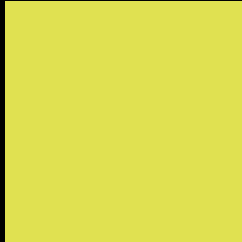
Large Text (above 18pt) WCAG AA × Fail

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, 69.861, 104.662 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, 69.861, 104.662

Background



This preview shows how black text looks on a background with the CIELCh color 87, 69.861, 104.662.



This preview shows how white text looks on a background with the CIELCh color 87, 69.861, 104.662.

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, 69.861, 104.662

Protanopia
87, 68.906, 95.391

Deuteranopia
87, 38.598, 79.332



Tritanopia
87, 13.205, 338.093

Trichromacy



Original Color
87, 69.861, 104.662

Protanomaly
87, 68.715, 98.643

Deuteranomaly
87, 49.581, 92.378

Tritanomaly
86, 22.389, 91.068

Monochromacy



Original Color
87, 69.861, 104.662

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 27.069, 107.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 69.861, 104.662 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(224, 225, 81)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 81)  
}
```

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(224, 225, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 69.861, 104.662 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(224, 225, 81) }
```

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

```
.border{ border-color:rgb(224, 225, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 225, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 81);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 69.861, 104.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 81) }
```

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

```
.background{ background-color: rgb(224,  
225, 81) }
```

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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