

Converting Colors

CIELCh(87, 68.624, 99.852)

Have a look what the booklet for
CIELCh(87, 68.624, 99.852) contains.

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Color

CIELCh(87, 68.576, 99.736)

Conversions

Conversions Part 1

Format	Color
Hex	EADD51
RGB	234, 221, 81
RGB Percent	92%, 87%, 32%
CMY	0.0812, 0.1322, 0.6812
CMYK	0.00, 0.06, 0.65, 0.08
HSL	55°, 79%, 62%
HSV	55°, 65%, 92%
XYZ	61.4598, 70.0064, 18.1144
YIQ	208.9270, 52.6880, -40.7840

Conversions

Conversions Part 2

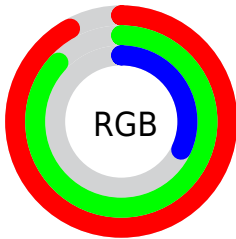
Format	Color
RYB	95, 234, 81
Decimal	15392081
CIELab	87.00, -11.60, 67.59
CIELCh	87, 68.576, 99.736
Yxy	70.0064, 0.4109, 0.4680
Android (android.graphics.Color)	4293582161 (0xFFEADD51)
YUV	208.9270, -63.0680, 21.9890
Hunter-Lab	83.6698, -15.3047, 45.7327

Details

The CIELCh color **87, 68.576, 99.736** 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, 81.905, 297.953**, 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, 68.574, 99.597** is the 20% darker color. If you saturate the color by 10%, you get **86, 76.250, 98.841**, and if you desaturate by 10%, it is **88, 59.446, 100.712**.

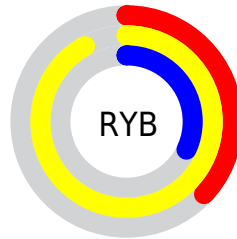
Distribution



Red (92%)

Green (87%)

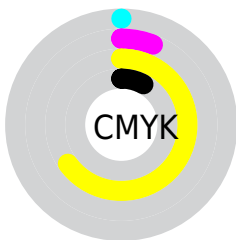
Blue (32%)



Red (37%)

Yellow (92%)

Blue (32%)

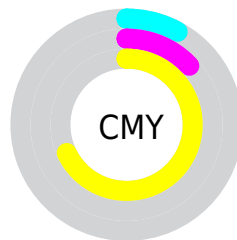


Cyan (0%)

Magenta (6%)

Yellow (65%)

Black (8%)



Cyan (8%)

Magenta (13%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 68.576, 99.736 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, 68.576, 99.736 by changing the saturation by 10% instead.

 87, 68.576, 99.736

 87, 68.576, 99.736

 100, 68.576,
99.736

 77, 68.576, 99.736

 67, 68.576, 99.736

 57, 68.576, 99.736

 47, 68.576, 99.736

 37, 68.576, 99.736

 27, 68.576, 99.736

 17, 68.576, 99.736

 7, 68.576, 99.736

 0, 68.576, 99.736

87, 68.576, 99.736

87, 68.576, 99.736

86, 76.250, 98.841

88, 59.446,
100.712

86, 81.815, 98.036

88, 49.401,
101.737

85, 84.764, 97.324

85, 85.480, 97.009

89, 38.820,
102.793

90, 27.947,
103.859

91, 16.930,
104.920

92, 5.862, 105.955

93, 5.202, 287.015

94, 9.190, 284.647

95, 8.259, 279.064

Harmonies

Complementary

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



87, 68.576, 99.736



47, 81.905, 297.953

Rectangle

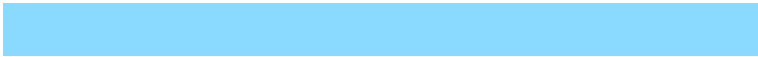
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 68.576, 99.736



87, 68.576, 149.736



87, 68.576, 279.736



87, 68.576, 329.736

Sweetspot

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



87, 68.576, 99.739



98, 23.684, 104.414



56, 64.582, 22.089



52, 16.150, 104.114



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, 68.576, 99.739



93, 83.375, 98.585



86, 77.748, 122.604



49, 6.289, 105.530



67, 70.536, 97.112



20, 28.419, 98.589

Inverse Universe

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



47, 81.905, 297.953



43, 106.273, 301.252



49, 88.459, 309.578



45, 6.406, 287.570



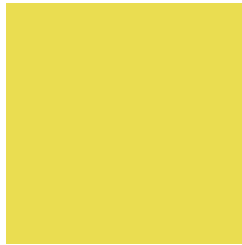
23, 99.452, 305.188



3, 33.625, 296.141

Previews

White Background



This preview shows how the CIELCh color 87, 68.576, 99.736 looks on a white background.

Color Contrast Check

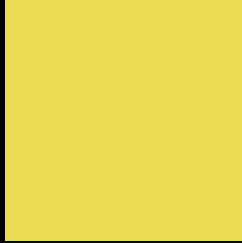
Large Text (above 18pt) WCAG AA × Fail

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, 68.576, 99.736 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, 68.576, 99.736

Background



This preview shows how black text looks on a background with the CIELCh color 87, 68.576, 99.736.



This preview shows how white text looks on a background with the CIELCh color 87, 68.576, 99.736.

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, 68.576, 99.736

Protanopia

87, 68.516, 95.377

Deuteranopia

87, 38.598, 79.332



Tritanopia
87, 16.789, 350.931

Trichromacy



Original Color
87, 68.576, 99.736

Protanomaly
87, 68.616, 96.837

Deuteranomaly
87, 49.620, 90.394

Tritanomaly
86, 24.565, 79.455

Monochromacy



Original Color
87, 68.576, 99.736

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 26.130, 103.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 68.576, 99.736 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(234, 221, 81)` looks like.

```
.text, #text, p{  
    color:rgb(234, 221, 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(234, 221, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 221, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 68.576, 99.736 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(234, 221, 81) }
```

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

```
.border{ border-color:rgb(234, 221, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 221, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 221, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 221, 81);  
box-shadow:4px 4px 4px 4px rgb(234, 221,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 68.576, 99.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 221, 81) }
```

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

```
.background{ background-color: rgb(234,  
221, 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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