

Converting Colors

CIELCh(87, 87.523, 100.926)

Have a look what the booklet for
CIELCh(87, 87.523, 100.926)
contains.

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Color

CIELCh(87, 87.651, 101.179)

Conversions

Conversions Part 1

Format	Color
Hex	E6E002
RGB	230, 224, 2
RGB Percent	90%, 88%, 1%
CMY	0.0988, 0.1223, 0.9907
CMYK	0.00, 0.03, 0.99, 0.10
HSL	58°, 98%, 46%
HSV	58°, 99%, 90%
XYZ	59.1871, 70.0064, 10.4600
YIQ	200.4860, 74.8380, -67.7700

Conversions

Conversions Part 2

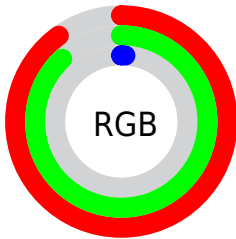
Format	Color
R_{YB}	8, 230, 2
Decimal	15130626
CIE _{Lab}	87.00, -16.99, 85.99
CIE _{LCh}	87, 87.651, 101.179
Yxy	70.0064, 0.4238, 0.5013
Android (android.graphics.Color)	4293320706 (0xFFE6E002)
YUV	200.4860, -97.8536, 25.8838
Hunter-Lab	83.6698, -20.1532, 51.1567

Details

The CIELCh color **87, 87.651, 101.179** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **29, 122.156, 305.979**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.889, 104.234**, and **67, 71.210, 102.487** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.828, 101.152**, and if you desaturate by 10%, it is **87, 85.397, 101.506**.

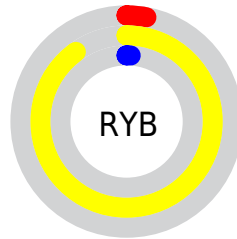
Distribution



Red (90%)

Green (88%)

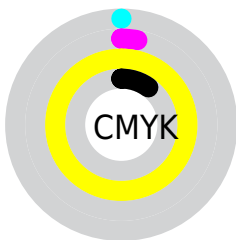
Blue (1%)



Red (3%)

Yellow (90%)

Blue (1%)

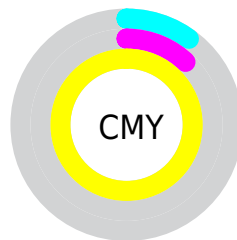


Cyan (0%)

Magenta (3%)

Yellow (99%)

Black (10%)



Cyan (10%)


Magenta (12%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 87.651, 101.179 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, 87.651, 101.179 by changing the saturation by 10% instead.


 87, 87.651,
101.179


 87, 87.651,
101.179


 100, 87.651,
101.179


 77, 87.651,
101.179

 67, 87.651,
101.179

 57, 87.651,
101.179

 47, 87.651,
101.179

 37, 87.651,
101.179

 27, 87.651,
101.179

 17, 87.651,

101.179

■ 7, 87.651, 101.179

■ 0, 87.651, 101.179

■ 87, 87.651,
101.179

■ 87, 87.651,
101.179

■ 87, 87.828,
101.152

■ 87, 85.397,
101.506

■ 87, 80.727,
101.990

■ 88, 73.743,
102.638

■ 88, 65.003,
103.422

■ 88, 55.074,

104.303

■ 89, 44.395,
105.250

■ 89, 33.267,
106.233

■ 90, 21.884,
107.231

■ 91, 10.369,
108.224

Harmonies

Complementary

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



87, 87.651, 101.179



29, 122.156, 305.979

Rectangle

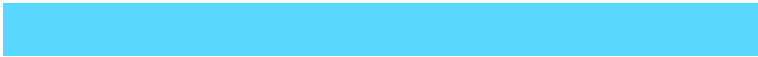
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 87.651, 101.179



87, 87.651, 151.179



87, 87.651, 281.179



87, 87.651, 331.179

Sweetspot

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



87, 87.650, 101.181



98, 37.451, 106.114



48, 94.816, 38.761



52, 25.473, 105.695



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, 87.650, 101.181



95, 95.008, 101.142



82, 99.619, 127.014



48, 6.556, 108.177



69, 72.728, 101.180



20, 28.622, 102.250

Inverse Universe

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



29, 122.156, 305.979



33, 132.788, 306.076



36, 115.894, 311.066



44, 6.696, 290.117



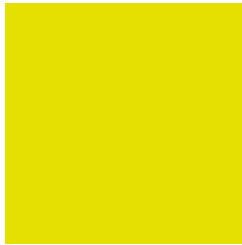
21, 101.168, 305.957



2, 33.060, 296.274

Previews

White Background



This preview shows how the CIELCh color 87, 87.651, 101.179 looks on a white background.

Color Contrast Check

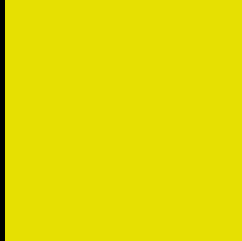
Large Text (above 18pt) WCAG AA × Fail

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, 87.651, 101.179 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, 87.651, 101.179

Background



This preview shows how black text looks on a background with the CIELCh color 87, 87.651, 101.179.



This preview shows how white text looks on a background with the CIELCh color 87, 87.651, 101.179.

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, 87.733, 101.174

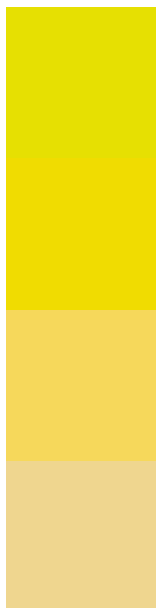
Protanopia
87, 87.019, 94.788

Deuteranopia
87, 40.448, 80.402



Tritanopia
87, 15.521, 348.072

Trichromacy



Original Color
87, 87.733, 101.174

Protanomaly
87, 87.055, 97.129

Deuteranomaly
87, 63.707, 93.182

Tritanomaly
86, 38.227, 91.482

Monochromacy



Original Color
87, 87.733, 101.174

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 41.886, 105.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 87.651, 101.179 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(230, 224, 2)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 2)  
}
```

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(230, 224, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 87.651, 101.179 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(230, 224, 2) }
```

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

```
.border{ border-color:rgb(230, 224, 2) }
```

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

Here you see how a box with a 4 pixel rgb(230, 224, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 2);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 87.651, 101.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 2) }
```

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

```
.background{ background-color: rgb(230,  
224, 2) }
```

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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