

Converting Colors

CIELCh(88, 83.687, 103.177)

Have a look what the booklet for
CIELCh(88, 83.687, 103.177)
contains.

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Color

CIELCh(88, 83.724, 103.265)

Conversions

Conversions Part 1

Format	Color
Hex	E4E428
RGB	228, 228, 40
RGB Percent	89%, 89%, 16%
CMY	0.1063, 0.1062, 0.8436
CMYK	0.00, 0.00, 0.83, 0.11
HSL	60°, 78%, 53%
HSV	60°, 83%, 89%
XYZ	60.0617, 72.0653, 12.7396
YIQ	206.5680, 60.3480, -58.4680

Conversions

Conversions Part 2

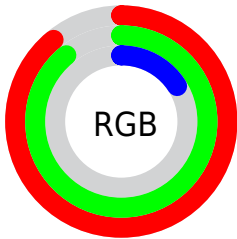
Format	Color
R_{YB}	40, 228, 40
Decimal	15000616
CIE _{Lab}	88.00, -19.21, 81.49
CIE _{LCh}	88, 83.724, 103.265
Yxy	72.0653, 0.4146, 0.4975
Android (android.graphics.Color)	4293190696 (0xFFE4E428)
YUV	206.5680, -82.1180, 18.7959
Hunter-Lab	84.8913, -22.2686, 50.5263

Details

The CIELCh color **88, 83.724, 103.265** 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 **33, 110.612, 304.397**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.048, 104.671**, and **68, 72.505, 104.632** is the 20% darker color. If you saturate the color by 10%, you get **88, 87.545, 102.970**, and if you desaturate by 10%, it is **88, 77.477, 103.761**.

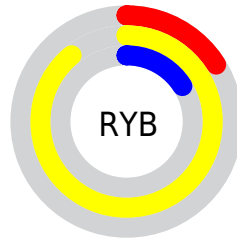
Distribution



Red (89%)

Green (89%)

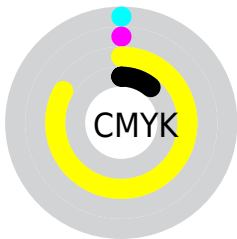
Blue (16%)



Red (16%)

Yellow (89%)

Blue (16%)

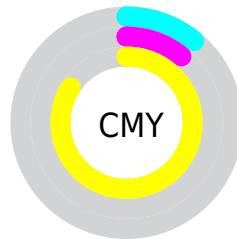


Cyan (0%)

Magenta (0%)

Yellow (83%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 83.724, 103.265 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 88, 83.724, 103.265 by changing the saturation by 10% instead.


 88, 83.724,
103.265


 88, 83.724,
103.265


 100, 83.724,
103.265


 78, 83.724,
103.265

 68, 83.724,
103.265

 58, 83.724,
103.265

 48, 83.724,
103.265

 38, 83.724,
103.265

 28, 83.724,
103.265

 18, 83.724,

103.265

■ 8, 83.724, 103.265

■ 0, 83.724, 103.265

■ 88, 83.724,
103.265

■ 88, 83.724,
103.265

■ 88, 87.545,
102.970

■ 88, 77.477,
103.761

■ 88, 89.022,
102.856

■ 88, 69.251,
104.424

■ 88, 59.612,
105.215

■ 89, 49.045,
106.095

■ 89, 37.899,

107.031

■ 89, 26.410,
107.996

■ 90, 14.727,
108.969

■ 90, 2.948, 109.917

■ 91, 8.865, 290.898

Harmonies

Complementary

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



88, 83.724, 103.265



33, 110.612, 304.397

Rectangle

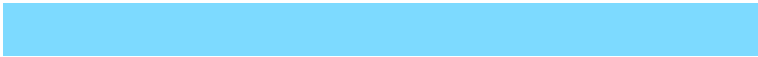
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 83.724, 103.265



88, 83.724, 153.265



88, 83.724, 283.265



88, 83.724, 333.265

Sweetspot

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



88, 83.724, 103.267



99, 32.090, 107.739



50, 83.914, 34.999



52, 21.845, 107.397



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 83.724, 103.267



97, 96.737, 102.868



82, 92.461, 126.632



48, 6.730, 109.263



71, 74.152, 102.856



20, 29.319, 103.659

Inverse Universe

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



33, 110.612, 304.397



32, 133.379, 306.227



41, 104.587, 312.548



44, 6.881, 291.164



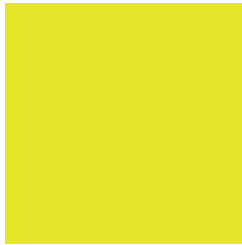
21, 102.391, 306.287



2, 33.677, 296.777

Previews

White Background



This preview shows how the CIELCh color 88, 83.724, 103.265 looks on a white background.

Color Contrast Check

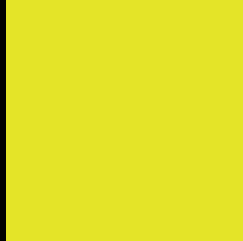
Large Text (above 18pt) WCAG AA × Fail

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 88, 83.724, 103.265 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 88, 83.724, 103.265

Background



This preview shows how black text looks on a background with the CIELCh color 88, 83.724, 103.265.

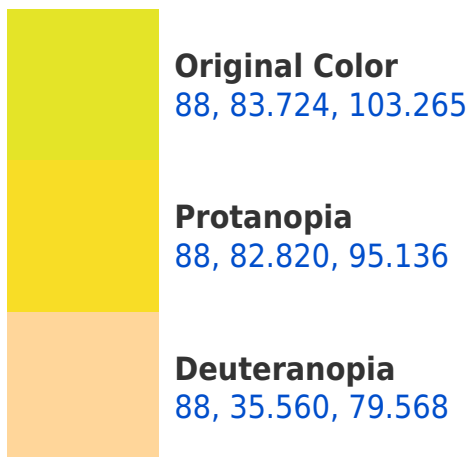



This preview shows how white text looks on a background with the CIELCh color 88, 83.724, 103.265.

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](#).

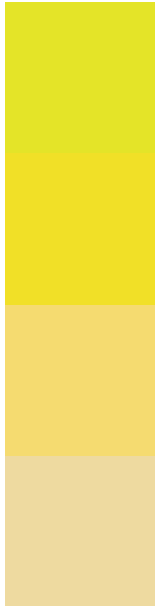
Dichromacy





Tritanopia
88, 14.280, 342.142

Trichromacy



Original Color
88, 83.724, 103.265

Protanomaly
88, 83.003, 98.196

Deuteranomaly
88, 55.321, 94.148

Tritanomaly
87, 31.128, 92.739

Monochromacy



Original Color
88, 83.724, 103.265

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 35.225, 107.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 83.724, 103.265 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(228, 228, 40)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 40)  
}
```

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(228, 228, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 83.724, 103.265 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(228, 228, 40) }
```

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

```
.border{ border-color:rgb(228, 228, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 40);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 83.724, 103.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 40) }
```

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

```
.background{ background-color: rgb(228,  
228, 40) }
```

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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