

Converting Colors

CIELCh(89, 79.738, 102.421)

Have a look what the booklet for
CIELCh(89, 79.738, 102.421)
contains.

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Color

CIELCh(89, 79.689, 102.403)

Conversions

Conversions Part 1

Format	Color
Hex	EAE63A
RGB	234, 230, 58
RGB Percent	92%, 90%, 23%
CMY	0.0836, 0.0992, 0.7739
CMYK	0.00, 0.02, 0.75, 0.08
HSL	59°, 80%, 57%
HSV	59°, 75%, 92%
XYZ	62.7919, 74.1641, 14.9616
YIQ	211.5880, 57.5960, -52.6440

Conversions

Conversions Part 2

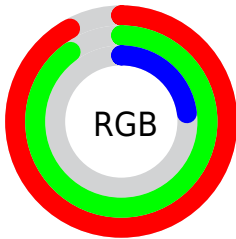
Format	Color
R_{YB}	62, 234, 58
Decimal	15394362
CIE _{Lab}	89.00, -17.12, 77.83
CIE _{LCh}	89, 79.689, 102.403
Yxy	74.1641, 0.4133, 0.4882
Android (android.graphics.Color)	4293584442 (0xFFEAE63A)
YUV	211.5880, -75.7189, 19.6553
Hunter-Lab	86.1186, -20.5574, 49.9825

Details

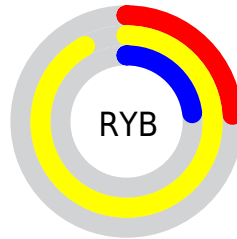
The CIELCh color **89, 79.689, 102.403** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **38, 101.817, 302.445**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 66.602, 105.082**, and **69, 73.076, 103.205** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.320, 101.875**, and if you desaturate by 10%, it is **89, 71.892, 103.095**.

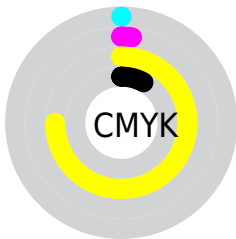
Distribution



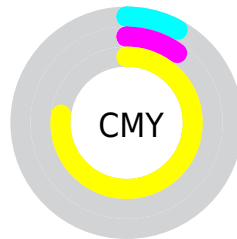
- Red (92%)
- Green (90%)
- Blue (23%)



- Red (24%)
- Yellow (92%)
- Blue (23%)



- Cyan (0%)
- Magenta (2%)
- Yellow (75%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 79.689, 102.403 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 89, 79.689, 102.403 by changing the saturation by 10% instead.


 89, 79.689,
102.403

 89, 79.689,
102.403


 100, 79.689,
102.403

 79, 79.689,
102.403

 69, 79.689,
102.403

 59, 79.689,
102.403

 49, 79.689,
102.403

 39, 79.689,
102.403


 29, 79.689,
102.403

 19, 79.689,


102.403


 9, 79.689, 102.403


 0, 79.689, 102.403


 89, 79.689,
102.403

 89, 79.689,
102.403


 89, 85.320,
101.875


 89, 71.892,
103.095

 89, 88.388,
101.521

 90, 62.523,
103.909

 89, 89.187,
101.397

 90, 52.118,
104.811

 90, 41.070,
105.769

 91, 29.642,

106.757

■ 92, 18.004,
107.752

■ 92, 6.262, 108.735

■ 93, 5.515, 289.735

■ 93, 10.608,
289.589

Harmonies

Complementary

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



89, 79.689, 102.403



38, 101.817, 302.445

Rectangle

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



89, 79.689, 102.403



89, 79.689, 152.403



89, 79.689, 282.403



89, 79.689, 332.403

Sweetspot

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



89, 79.689, 102.405



98, 28.924, 106.977



53, 76.845, 30.339



52, 19.984, 106.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 79.689, 102.405



96, 93.169, 101.673



85, 88.077, 125.187



49, 6.700, 108.332



70, 73.696, 101.421



21, 30.049, 102.257

Inverse Universe

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



38, 101.817, 302.445



35, 126.881, 305.194



45, 100.007, 311.686



45, 6.845, 290.272



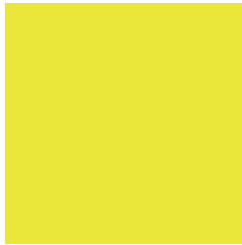
22, 102.430, 306.009



3, 35.172, 297.343

Previews

White Background



This preview shows how the CIELCh color 89, 79.689, 102.403 looks on a white background.

Color Contrast Check

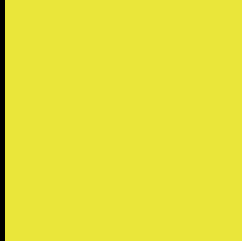
Large Text (above 18pt) WCAG AA × Fail

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 89, 79.689, 102.403 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 89, 79.689, 102.403

Background



This preview shows how black text looks on a background with the CIELCh color 89, 79.689, 102.403.

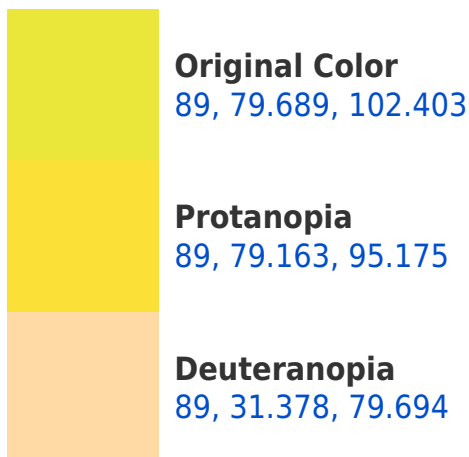



This preview shows how white text looks on a background with the CIELCh color 89, 79.689, 102.403.

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](#).

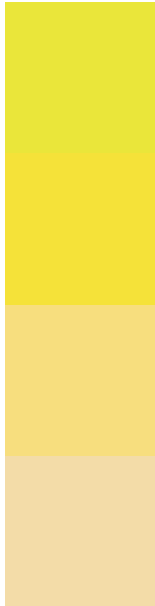
Dichromacy





Tritanopia
89, 15.121, 344.801

Trichromacy



Original Color
89, 79.689, 102.403

Protanomaly
89, 79.059, 97.712

Deuteranomaly
89, 50.016, 94.071

Tritanomaly
88, 28.478, 89.244

Monochromacy



Original Color
89, 79.689, 102.403

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 32.591, 106.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 79.689, 102.403 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, 230, 58)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 58)  
}
```

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, 230, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 79.689, 102.403 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, 230, 58) }
```

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

```
.border{ border-color:rgb(234, 230, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 230, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 58);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 79.689, 102.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 58) }
```

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

```
.background{ background-color: rgb(234,  
230, 58) }
```

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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