

Converting Colors

CIELCh(89, 42.584, 100.577)

Have a look what the booklet for
CIELCh(89, 42.584, 100.577)
contains.

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Color

CIELCh(89, 42.618, 100.630)

Conversions

Conversions Part 1

Format	Color
Hex	EDE28F
RGB	237, 226, 143
RGB Percent	93%, 89%, 56%
CMY	0.0718, 0.1148, 0.4403
CMYK	0.00, 0.05, 0.40, 0.07
HSL	53°, 72%, 74%
HSV	53°, 40%, 93%
XYZ	66.8809, 74.1641, 36.6690
YIQ	219.8270, 33.1990, -23.4810

Conversions

Conversions Part 2

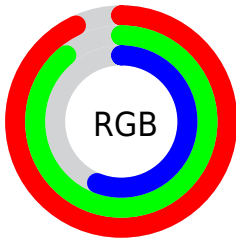
Format	Color
RYP	155, 237, 143
Decimal	15590031
CIELab	89.00, -7.86, 41.89
CIELCh	89, 42.618, 100.630
Yxy	74.1641, 0.3763, 0.4173
Android (android.graphics.Color)	4293780111 (0xFFE2E28F)
YUV	219.8270, -37.8757, 15.0607
Hunter-Lab	86.1186, -12.0820, 35.0375

Details

The CIELCh color **89, 42.618, 100.630** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **66, 46.025, 290.765**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 28.732, 107.994**, and **69, 42.739, 100.528** is the 20% darker color. If you saturate the color by 10%, you get **88, 52.871, 99.532**, and if you desaturate by 10%, it is **90, 32.029, 101.744**.

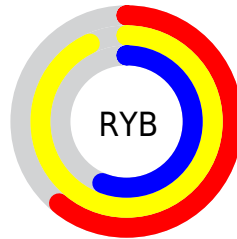
Distribution



Red (93%)

Green (89%)

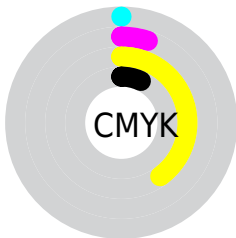
Blue (56%)



Red (61%)

Yellow (93%)

Blue (56%)

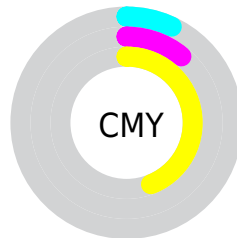


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (7%)



Cyan (7%)

Magenta (11%)


Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 42.618, 100.630 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, 42.618, 100.630 by changing the saturation by 10% instead.


 89, 42.618,
100.630

 89, 42.618,
100.630


 100, 42.618,
100.630


 79, 42.618,
100.630

 69, 42.618,
100.630

 59, 42.618,
100.630

 49, 42.618,
100.630

 39, 42.618,
100.630

 29, 42.618,
100.630

 19, 42.618,

100.630

■ 9, 42.618, 100.630

■ 0, 42.618, 100.630

■ 89, 42.618,
100.630

■ 89, 42.618,
100.630

■ 88, 52.871, 99.532

■ 90, 32.029,
101.744

■ 87, 62.495, 98.454

■ 91, 21.277,
102.848

■ 86, 71.044, 97.418

■ 85, 77.897, 96.434

■ 92, 10.468,
103.930

■ 85, 82.374, 95.500

■ 94, 0.334, 285.391

■ 84, 84.325, 94.593

■ 95, 7.988, 283.780

■ 84, 84.371, 94.566

■ 96, 6.757, 274.134

■ 96, 5.793, 260.828

■ 97, 5.243, 243.635

■ 98, 5.235, 224.596

Harmonies

Complementary

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



89, 42.618, 100.630



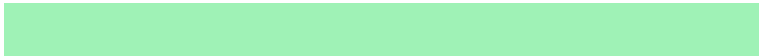
66, 46.025, 290.765

Rectangle

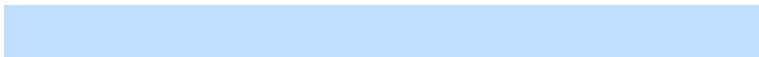
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 42.618, 100.630



89, 42.618, 150.630



89, 42.618, 280.630



89, 42.618, 330.630

Sweetspot

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



89, 42.619, 100.634



98, 13.762, 103.679



69, 38.032, 13.266



52, 9.130, 103.537



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, 42.619, 100.634



94, 54.335, 99.697



89, 49.450, 122.182



49, 6.086, 103.955



66, 69.108, 94.721



19, 27.623, 96.522

Inverse Universe

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



66, 46.025, 290.765



64, 60.101, 292.534



66, 53.350, 306.803



45, 6.189, 286.051



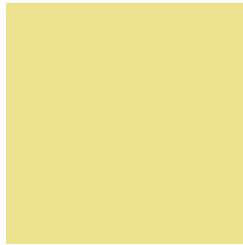
23, 97.434, 304.607



4, 32.842, 295.486

Previews

White Background



This preview shows how the CIELCh color 89, 42.618, 100.630 looks on a white background.

Color Contrast Check

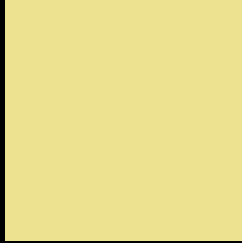
Large Text (above 18pt) WCAG AA × Fail

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, 42.618, 100.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

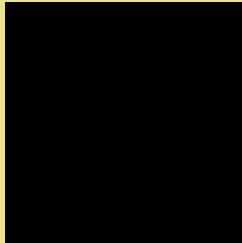
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 42.618, 100.630

Background



This preview shows how black text looks on a background with the CIELCh color 89, 42.618, 100.630.

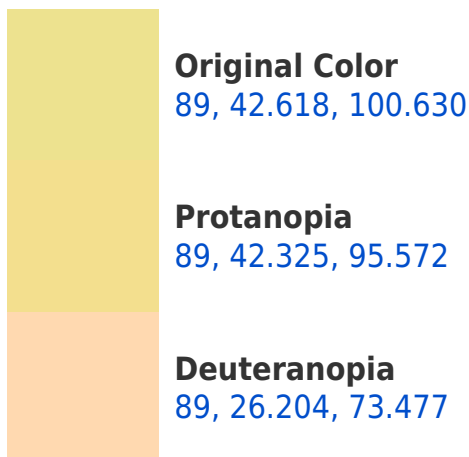


This preview shows how white text looks on a background with the CIELCh color 89, 42.618, 100.630.

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](#).

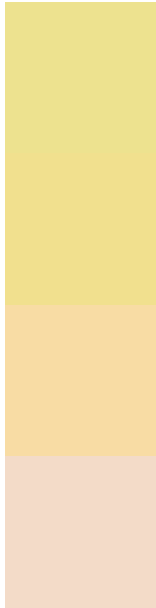
Dichromacy





Tritanopia
89, 14.529, 343.051

Trichromacy



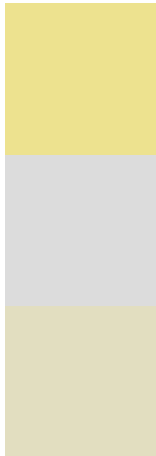
Original Color
89, 42.618, 100.630

Protanomaly
89, 42.545, 97.289

Deuteranomaly
89, 31.142, 86.699

Tritanomaly
89, 13.427, 66.834

Monochromacy



Original Color
89, 42.618, 100.630

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 15.636, 103.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 42.618, 100.630 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(237, 226, 143)` looks like.

```
.text, #text, p{  
    color:rgb(237, 226, 143)  
}
```

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(237, 226, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 226, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 42.618, 100.630 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(237, 226, 143) }
```

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

```
.border{ border-color:rgb(237, 226, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 226, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 226, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 226, 143);  
box-shadow:4px 4px 4px 4px rgb(237, 226,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 42.618, 100.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 226, 143) }
```

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

```
.background{ background-color: rgb(237,  
226, 143) }
```

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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