

Converting Colors

CIELCh(89, 41.895, 106.677)

Have a look what the booklet for
CIELCh(89, 41.895, 106.677)
contains.

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Color

CIELCh(89, 41.817, 106.700)

Conversions

Conversions Part 1

Format	Color
Hex	E4E492
RGB	228, 228, 146
RGB Percent	89%, 89%, 57%
CMY	0.1053, 0.1053, 0.4269
CMYK	0.00, 0.00, 0.36, 0.11
HSL	60°, 60%, 73%
HSV	60°, 36%, 89%
XYZ	65.0238, 74.1641, 38.1376
YIQ	218.6520, 26.3220, -25.5020

Conversions

Conversions Part 2

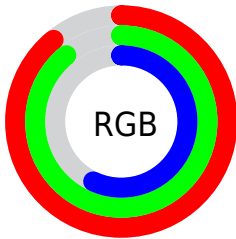
Format	Color
R _Y B	146, 228, 146
Decimal	15000722
CIE Lab	89.00, -12.02, 40.05
CIE LCh	89, 41.817, 106.700
Yxy	74.1641, 0.3667, 0.4182
Android (android.graphics.Color)	4293190802 (0xFFE4E492)
YUV	218.6520, -35.8174, 8.1982
Hunter-Lab	86.1186, -15.9313, 34.0264

Details

The CIELCh color **89, 41.817, 106.700** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **64, 45.807, 294.869**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 27.235, 108.110**, and **69, 41.983, 107.055** is the 20% darker color. If you saturate the color by 10%, you get **89, 52.806, 105.783**, and if you desaturate by 10%, it is **89, 30.417, 107.661**.

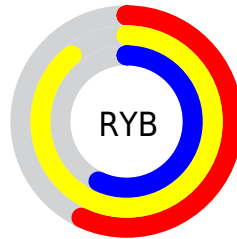
Distribution



Red (89%)

Green (89%)

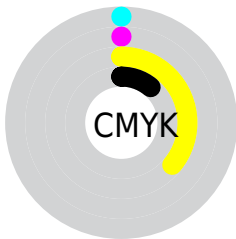
Blue (57%)



Red (57%)

Yellow (89%)

Blue (57%)

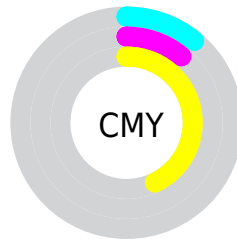


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 41.817, 106.700 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, 41.817, 106.700 by changing the saturation by 10% instead.

 89, 41.817,
106.700

 89, 41.817,
106.700

 100, 41.817,
106.700


 79, 41.817,
106.700

 69, 41.817,
106.700

 59, 41.817,
106.700

 49, 41.817,
106.700

 39, 41.817,
106.700

 29, 41.817,
106.700

 19, 41.817,

106.700

■ 9, 41.817, 106.700

■ 0, 41.817, 106.700

■ 89, 41.817,
106.700

■ 89, 41.817,
106.700

■ 89, 52.806,
105.783

■ 89, 30.417,
107.661

■ 88, 63.109,
104.929

■ 90, 18.778,
108.633

■ 88, 72.330,
104.178

■ 90, 7.013, 109.599

■ 88, 79.944,
103.569

■ 91, 4.803, 290.580

■ 91, 13.924,
291.291

■ 88, 85.394,

103.141

91, 13.924,
291.293

88, 88.352,
102.912

91, 13.924,
291.294

88, 89.092,
102.855

91, 13.924,
291.295

91, 13.924,
291.297

Harmonies

Complementary

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



89, 41.817, 106.700



64, 45.807, 294.869

Rectangle

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



89, 41.817, 106.700



89, 41.817, 156.700



89, 41.817, 286.700



89, 41.817, 336.700

Sweetspot

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



89, 41.819, 106.703



99, 14.193, 109.107



69, 33.581, 22.719



53, 9.534, 108.975



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, 41.819, 106.703



98, 54.292, 106.025



86, 44.998, 127.378



48, 6.730, 109.262



71, 74.152, 102.855



20, 29.319, 103.658

Inverse Universe

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



64, 45.807, 294.869



65, 60.924, 296.192



67, 47.373, 310.860



44, 6.881, 291.164



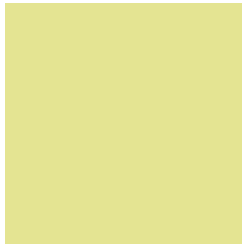
21, 102.391, 306.287



2, 33.677, 296.777

Previews

White Background



This preview shows how the CIELCh color 89, 41.817, 106.700 looks on a white background.

Color Contrast Check

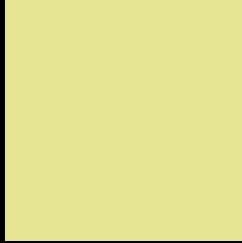
Large Text (above 18pt) WCAG AA × Fail

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, 41.817, 106.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

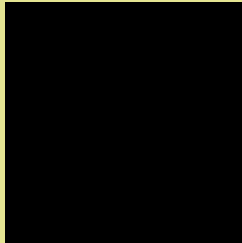
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 41.817, 106.700

Background



This preview shows how black text looks on a background with the CIELCh color 89, 41.817, 106.700.



This preview shows how white text looks on a background with the CIELCh color 89, 41.817, 106.700.

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
89, 41.817, 106.700

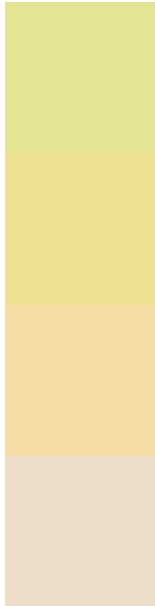
Protanopia
89, 41.349, 95.415

Deuteranopia
89, 26.204, 73.477



Tritanopia
89, 11.874, 332.059

Trichromacy



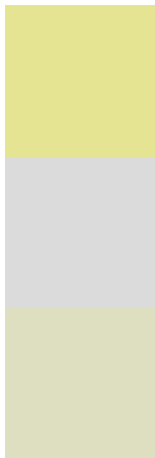
Original Color
89, 41.817, 106.700

Protanomaly
89, 41.277, 99.420

Deuteranomaly
89, 30.545, 89.519

Tritanomaly
89, 11.165, 81.325

Monochromacy



Original Color
89, 41.817, 106.700

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 15.057, 108.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 41.817, 106.700 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 41.817, 106.700 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, 146) }
```

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

```
.border{ border-color:rgb(228, 228, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 146);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 41.817, 106.700 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, 146) }
```

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

```
.background{ background-color: rgb(228,  
228, 146) }
```

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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