

Converting Colors

CIELCh(89, 30.373, 101.952)

Have a look what the booklet for
CIELCh(89, 30.373, 101.952)
contains.

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Color

CIELCh(89, 30.045, 101.668)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1A7
RGB	233, 225, 167
RGB Percent	91%, 88%, 65%
CMY	0.0852, 0.1166, 0.3441
CMYK	0.00, 0.03, 0.28, 0.09
HSL	53°, 60%, 79%
HSV	53°, 28%, 91%
XYZ	67.6896, 74.1641, 47.4304
YIQ	220.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

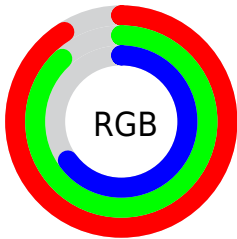
Format	Color
RYB	176, 233, 167
Decimal	15327655
CIELab	89.00, -6.08, 29.42
CIELCh	89, 30.045, 101.668
Yxy	74.1641, 0.3576, 0.3918
Android (android.graphics.Color)	4293517735 (0xFFE9E1A7)
YUV	220.7800, -26.5135, 10.7169
Hunter-Lab	86.1186, -10.4059, 27.6287

Details

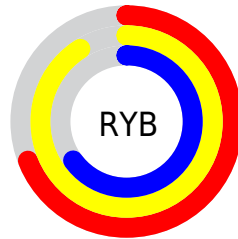
The CIELCh color **89, 30.045, 101.668** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 31.570, 288.507**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 16.691, 108.916**, and **69, 29.888, 101.438** is the 20% darker color. If you saturate the color by 10%, you get **88, 40.508, 100.557**, and if you desaturate by 10%, it is **90, 19.448, 102.778**.

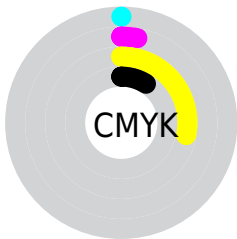
Distribution



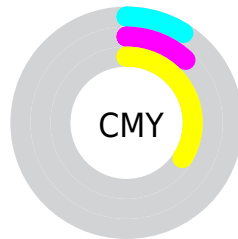
- Red (91%)
- Green (88%)
- Blue (65%)



- Red (69%)
- Yellow (91%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (28%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 30.045, 101.668 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, 30.045, 101.668 by changing the saturation by 10% instead.

 89, 30.045,
101.668

 89, 30.045,
101.668

 100, 30.045,
101.668


 79, 30.045,
101.668

 69, 30.045,
101.668

 59, 30.045,
101.668

 49, 30.045,
101.668

 39, 30.045,
101.668

 29, 30.045,
101.668

 19, 30.045,

101.668

■ 9, 30.045, 101.668

■ 0, 30.045, 101.668

■ 89, 30.045,
101.668

■ 89, 30.045,
101.668

■ 88, 40.508,
100.557

■ 90, 19.448,
102.778

■ 87, 50.672, 99.447

■ 91, 8.809, 103.859

■ 86, 60.275, 98.356

■ 93, 1.814, 285.006

■ 85, 68.902, 97.302

■ 94, 9.541, 284.130

■ 84, 75.960, 96.294

■ 95, 8.253, 276.105

■ 83, 80.767, 95.332

■ 95, 7.182, 265.463

■ 83, 82.971, 94.394

■ 96, 6.433, 251.811

■ 82, 83.229, 94.235

■ 97, 6.122, 235.789

■ 97, 6.311, 219.493

Harmonies

Complementary

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



89, 30.045, 101.668



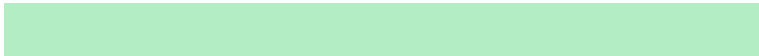
73, 31.570, 288.507

Rectangle

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



89, 30.045, 101.668



89, 30.045, 151.668



89, 30.045, 281.668



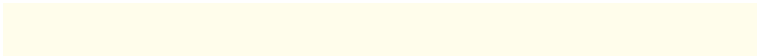
89, 30.045, 331.668

Sweetspot

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



89, 30.047, 101.673



99, 9.126, 103.886



75, 26.054, 11.453



53, 6.488, 103.726



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, 30.047, 101.673



96, 38.731, 101.019



89, 35.109, 122.782



49, 6.059, 103.735



65, 68.926, 94.389



19, 27.518, 96.232

Inverse Universe

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



73, 31.570, 288.507



75, 41.217, 289.517



73, 36.964, 305.974



45, 6.160, 285.839



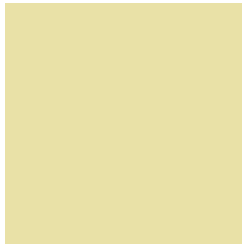
23, 97.130, 304.518



4, 32.737, 295.395

Previews

White Background



This preview shows how the CIELCh color 89, 30.045, 101.668 looks on a white background.

Color Contrast Check

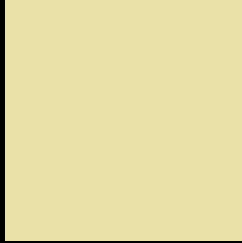
Large Text (above 18pt) WCAG AA × Fail

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, 30.045, 101.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

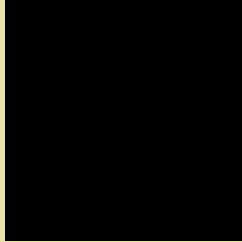
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

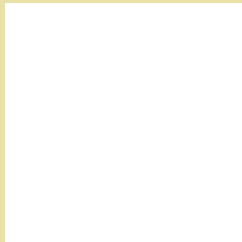
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 30.045, 101.668

Background



This preview shows how black text looks on a background with the CIELCh color 89, 30.045, 101.668.



This preview shows how white text looks on a background with the CIELCh color 89, 30.045, 101.668.

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, 30.045, 101.668

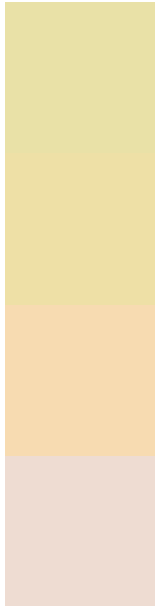
Protanopia
89, 30.199, 94.829

Deuteranopia
89, 23.096, 67.442



Tritanopia
89, 12.359, 334.600

Trichromacy



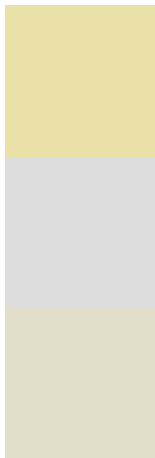
Original Color
89, 30.045, 101.668

Protanomaly
89, 30.422, 97.192

Deuteranomaly
89, 24.482, 81.682

Tritanomaly
89, 8.444, 57.552

Monochromacy



Original Color
89, 30.045, 101.668

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 11.437, 105.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 30.045, 101.668 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(233, 225, 167)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 167)  
}
```

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(233, 225, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 30.045, 101.668 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(233, 225, 167) }
```

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

```
.border{ border-color:rgb(233, 225, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 225, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 167);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 30.045, 101.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 167) }
```

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

```
.background{ background-color: rgb(233,  
225, 167) }
```

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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