

Converting Colors

CIELCh(89, 24.607, 105.565)

Have a look what the booklet for
CIELCh(89, 24.607, 105.565)
contains.

CIELCh(89, 24.789, 105.438)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 24.789, 105.438)

Conversions

Conversions Part 1

Format	Color
Hex	E5E2B2
RGB	229, 226, 178
RGB Percent	90%, 89%, 70%
CMY	0.1025, 0.1142, 0.3025
CMYK	0.00, 0.01, 0.22, 0.10
HSL	56°, 49%, 80%
HSV	56°, 22%, 90%
XYZ	67.4522, 74.1641, 52.8116
YIQ	221.4250, 17.1960, -14.2920

Conversions

Conversions Part 2

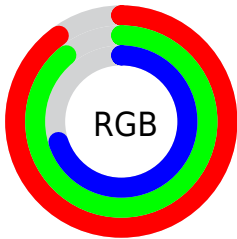
Format	Color
R_{YB}	181, 229, 178
Decimal	15065778
CIE _{Lab}	89.00, -6.60, 23.89
CIE _{LCh}	89, 24.789, 105.438
Yxy	74.1641, 0.3469, 0.3814
Android (android.graphics.Color)	4293255858 (0xFFE5E2B2)
YUV	221.4250, -21.4085, 6.6433
Hunter-Lab	86.1186, -10.8977, 23.9239

Details

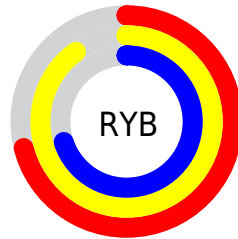
The CIELCh color **89, 24.789, 105.438** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 25.952, 290.402**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.630, 109.373**, and **69, 24.948, 105.718** is the 20% darker color. If you saturate the color by 10%, you get **88, 35.760, 104.410**, and if you desaturate by 10%, it is **90, 13.688, 106.471**.

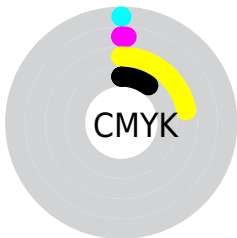
Distribution



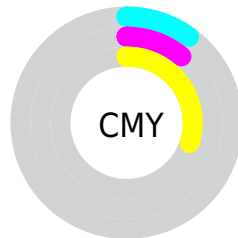
- Red (90%)
- Green (89%)
- Blue (70%)



- Red (71%)
- Yellow (90%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (22%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 24.789, 105.438 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, 24.789, 105.438 by changing the saturation by 10% instead.

■ 89, 24.789,
105.438

■ 89, 24.789,
105.438

■ 100, 24.789,
105.438

■ 79, 24.789,
105.438

■ 69, 24.789,
105.438

■ 59, 24.789,
105.438

■ 49, 24.789,
105.438

■ 39, 24.789,
105.438

■ 29, 24.789,
105.438

■ 19, 24.789,

105.438

■ 9, 24.789, 105.438

■ 0, 24.789, 105.438

■ 89, 24.789,
105.438

■ 89, 24.789,
105.438

■ 88, 35.760,
104.410

■ 90, 13.688,
106.471

■ 88, 46.461,
103.389

■ 91, 2.534, 107.455

■ 87, 56.681,
102.402

■ 92, 8.619, 288.494

■ 86, 66.086,
101.474

■ 92, 12.304,
287.388

■ 86, 74.192,

■ 93, 11.631,
284.855

100.634

93, 10.984,
282.023

85, 80.394, 99.909

93, 10.367,
278.853

85, 84.150, 99.314

85, 85.527, 98.928

94, 9.785, 275.302

94, 9.246, 271.328

Harmonies

Complementary

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



89, 24.789, 105.438



75, 25.952, 290.402

Rectangle

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



89, 24.789, 105.438



89, 24.789, 155.438



89, 24.789, 285.438



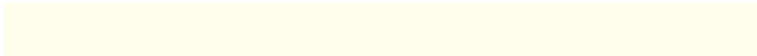
89, 24.789, 335.438

Sweetspot

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



89, 24.791, 105.443



99, 8.516, 107.000



77, 19.757, 15.857



53, 5.534, 106.940



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, 24.791, 105.443



98, 32.738, 104.938



88, 27.662, 125.624



48, 6.345, 106.758



68, 71.065, 98.995



19, 27.779, 100.399

Inverse Universe

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



75, 25.952, 290.402



79, 34.667, 291.129



76, 28.655, 307.860



44, 6.471, 288.749



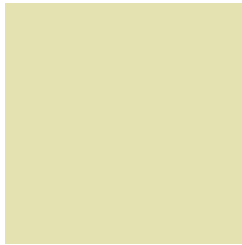
22, 99.704, 305.553



3, 32.303, 295.629

Previews

White Background



This preview shows how the CIELCh color 89, 24.789, 105.438 looks on a white background.

Color Contrast Check

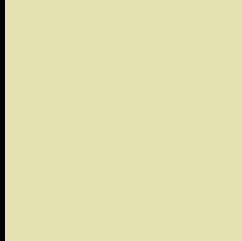
Large Text (above 18pt) WCAG AA × Fail

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, 24.789, 105.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

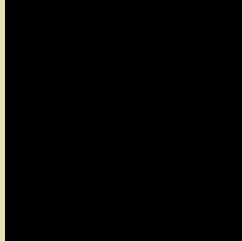
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

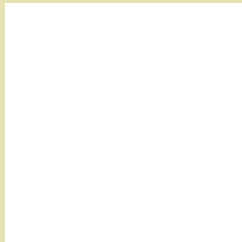
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 24.789, 105.438

Background



This preview shows how black text looks on a background with the CIELCh color 89, 24.789, 105.438.



This preview shows how white text looks on a background with the CIELCh color 89, 24.789, 105.438.

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, 24.789, 105.438

Protanopia

89, 24.510, 94.386

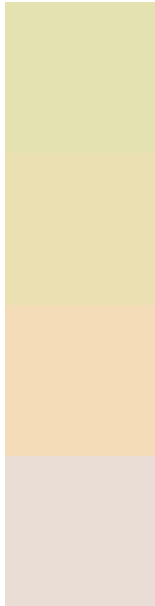
Deuteranopia

89, 21.507, 64.124



Tritanopia
89, 10.975, 326.368

Trichromacy



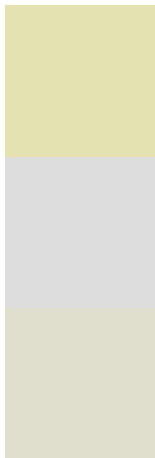
Original Color
89, 24.789, 105.438

Protanomaly
89, 24.662, 98.160

Deuteranomaly
89, 21.095, 81.244

Tritanomaly
89, 5.689, 59.198

Monochromacy



Original Color
89, 24.789, 105.438

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 9.348, 107.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 24.789, 105.438 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(229, 226, 178)` looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 178)  
}
```

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(229, 226, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 24.789, 105.438 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(229, 226, 178) }
```

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

```
.border{ border-color:rgb(229, 226, 178) }
```

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

Here you see how a box with a 4 pixel rgb(229, 226, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 178);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 24.789, 105.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 178) }
```

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

```
.background{ background-color: rgb(229,  
226, 178) }
```

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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