

Converting Colors

CIELCh(89, 24.981, 110.363)

Have a look what the booklet for
CIELCh(89, 24.981, 110.363)
contains.

CIELCh(89, 24.766, 109.905)	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, 24.766, 109.905)

Conversions

Conversions Part 1

Format	Color
Hex	E1E3B3
RGB	225, 227, 179
RGB Percent	88%, 89%, 70%
CMY	0.1178, 0.1100, 0.2982
CMYK	0.01, 0.00, 0.21, 0.11
HSL	63°, 46%, 80%
HSV	63°, 21%, 89%
XYZ	66.6239, 74.1641, 53.4272
YIQ	220.9300, 14.2160, -15.3520

Conversions

Conversions Part 2

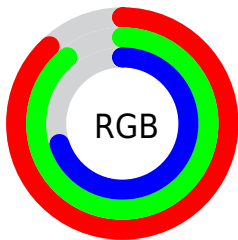
Format	Color
RYB	179, 227, 181
Decimal	14803891
CIELab	89.00, -8.43, 23.29
CIELCh	89, 24.766, 109.905
Yxy	74.1641, 0.3430, 0.3819
Android (android.graphics.Color)	4292993971 (0xFFE1E3B3)
YUV	220.9300, -20.6715, 3.5694
Hunter-Lab	86.1186, -12.6146, 23.5001

Details

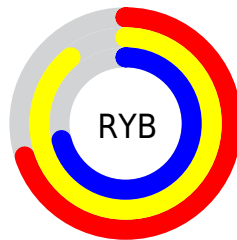
The CIELCh color **89, 24.766, 109.905** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **75, 26.019, 294.065**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.124, 109.411**, and **69, 24.950, 110.460** is the 20% darker color. If you saturate the color by 10%, you get **89, 36.258, 109.006**, and if you desaturate by 10%, it is **90, 13.099, 110.817**.

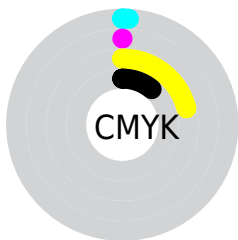
Distribution



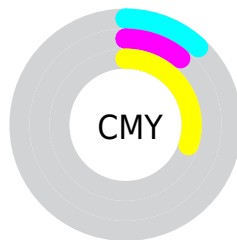
- Red (88%)
- Green (89%)
- Blue (70%)



- Red (70%)
- Yellow (89%)
- Blue (71%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 24.766, 109.905 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, 24.766, 109.905 by changing the saturation by 10% instead.


 89, 24.766,
109.905

 89, 24.766,
109.905


 100, 24.766,
109.905


 79, 24.766,
109.905

 69, 24.766,
109.905

 59, 24.766,
109.905

 49, 24.766,
109.905

 39, 24.766,
109.905

 29, 24.766,
109.905

 19, 24.766,

109.905

■ 9, 24.766, 109.905

■ 0, 24.766, 109.905

■ 89, 24.766,
109.905

■ 89, 24.766,
109.905

■ 89, 36.258,
109.006

■ 90, 13.099,
110.817

■ 88, 47.428,
108.128

■ 90, 1.344, 111.681

■ 88, 58.061,
107.306

■ 91, 10.439,
292.604

■ 87, 67.827,
106.576

■ 91, 14.578,
293.724

■ 87, 76.265,

■ 91, 14.600,
294.986

105.986

91, 14.628,
296.247

87, 82.816,
105.589

91, 14.663,
297.505

87, 86.997,
105.428

91, 14.705,
298.758

87, 88.869,
105.468

91, 14.753,
300.006

Harmonies

Complementary

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



89, 24.766, 109.905



75, 26.019, 294.065

Rectangle

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



89, 24.766, 109.905



89, 24.766, 159.905



89, 24.766, 289.905



89, 24.766, 339.905

Sweetspot

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



89, 24.768, 109.909



100, 7.751, 111.276



78, 18.031, 23.564



53, 5.141, 111.217



0, 0.000, 0.000



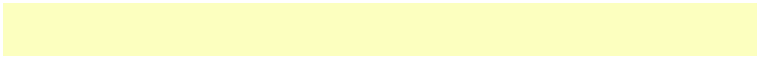
53, 0.007, 296.813

Same Dimension

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



89, 24.768, 109.909



98, 32.112, 109.545



87, 26.718, 129.275



48, 6.735, 110.970



70, 74.257, 105.427



20, 29.325, 105.992

Inverse Universe

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



75, 26.019, 294.065



80, 34.088, 294.583



76, 27.444, 311.187



44, 6.886, 292.735



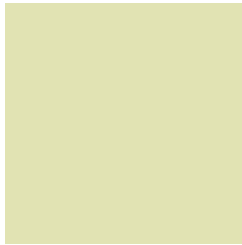
21, 102.176, 306.416



2, 33.749, 297.778

Previews

White Background



This preview shows how the CIELCh color 89, 24.766, 109.905 looks on a white background.

Color Contrast Check

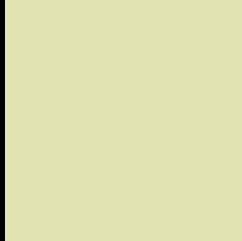
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 24.766, 109.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

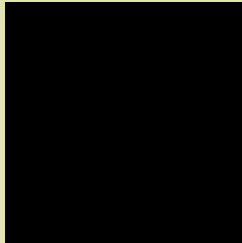
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

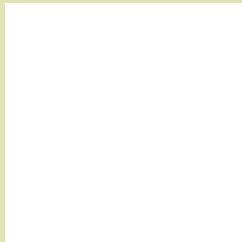
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 24.766, 109.905

Background



This preview shows how black text looks on a background with the CIELCh color 89, 24.766, 109.905.



This preview shows how white text looks on a background with the CIELCh color 89, 24.766, 109.905.

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, 24.766, 109.905

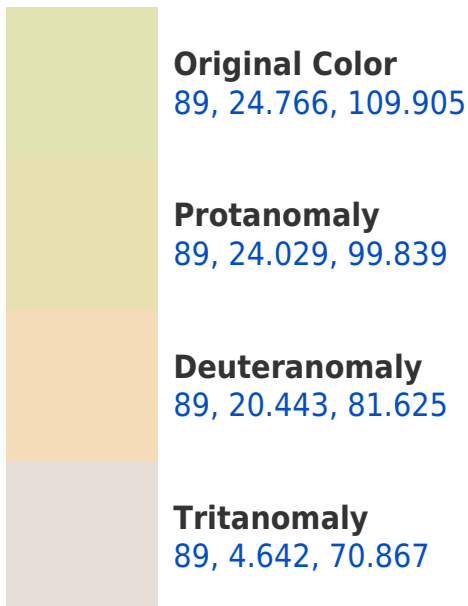
Protanopia
89, 24.510, 94.386

Deuteranopia
89, 21.123, 63.213



Tritanopia
89, 10.202, 319.811

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 24.766, 109.905 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(225, 227, 179)` looks like.

```
.text, #text, p{  
    color:rgb(225, 227, 179)  
}
```

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(225, 227, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 227, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 24.766, 109.905 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(225, 227, 179) }
```

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

```
.border{ border-color:rgb(225, 227, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 227, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 227, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 227, 179);  
box-shadow:4px 4px 4px 4px rgb(225, 227,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 24.766, 109.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 227, 179) }
```

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

```
.background{ background-color: rgb(225,  
227, 179) }
```

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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