

Converting Colors

CIELCh(89, 0.992, 34.076)

Have a look what the booklet for
CIELCh(89, 0.992, 34.076) contains.

CIELCh(89, 1.188, 44.854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(89, 1.188, 44.854)

Conversions

Conversions Part 1

Format	Color
Hex	E2DFDE
RGB	226, 223, 222
RGB Percent	89%, 87%, 87%
CMY	0.1140, 0.1258, 0.1297
CMYK	0.00, 0.01, 0.02, 0.11
HSL	15°, 6%, 88%
HSV	15°, 2%, 89%
XYZ	70.8850, 74.1641, 79.6361
YIQ	223.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

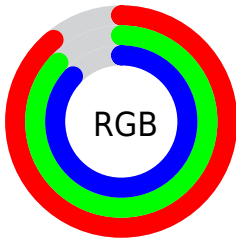
Format	Color
R _Y B	226, 223, 222
Decimal	14868446
CIE Lab	89.00, 0.84, 0.84
CIE LCh	89, 1.188, 44.854
Yxy	74.1641, 0.3155, 0.3301
Android (android.graphics.Color)	4293058526 (0xFFE2DFDE)
YUV	223.7830, -0.8790, 1.9443
Hunter-Lab	86.1186, -3.7825, 5.4561

Details

The CIELCh color **89, 1.188, 44.854** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 1.182, 226.104**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 1.255, 44.943** is the 20% darker color. If you saturate the color by 10%, you get **84, 8.231, 44.969**, and if you desaturate by 10%, it is **94, 5.337, 226.042**.

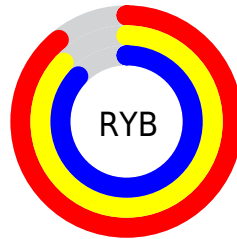
Distribution



Red (89%)

Green (87%)

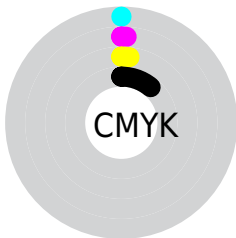
Blue (87%)



Red (89%)

Yellow (87%)

Blue (87%)

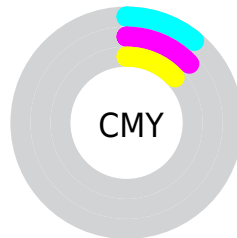


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 1.188, 44.854 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, 1.188, 44.854 by changing the saturation by 10% instead.



89, 1.188, 44.854

89, 1.188, 44.854

84, 8.231, 44.969

94, 5.337, 226.042

79, 15.851, 44.667

98, 9.867, 198.849

75, 24.100, 44.452

70, 33.011, 44.368

66, 42.583, 44.446

62, 52.746, 44.697

59, 63.295, 45.087

55, 73.742, 45.467

53, 82.997, 45.432

Harmonies

Complementary

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



89, 1.188, 44.854



89, 1.182, 226.104

Rectangle

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



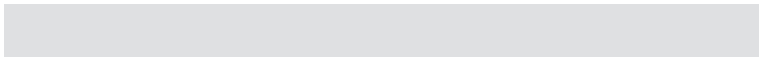
89, 1.188, 44.854



89, 1.188, 94.854



89, 1.188, 224.854



89, 1.188, 274.854

Sweetspot

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



89, 1.188, 44.971



99, 0.736, 44.633



89, 2.139, 332.288



53, 0.419, 44.590



0, 0.000, 0.000



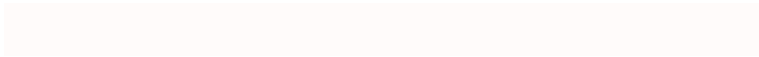
53, 0.007, 296.813

Same Dimension

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



89, 1.188, 44.971



99, 1.482, 45.019



90, 1.584, 96.897



47, 0.758, 44.996



40, 73.307, 45.392



8, 21.630, 35.774

Inverse Universe

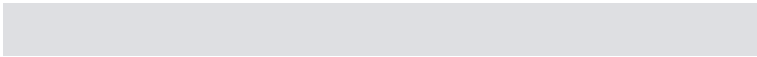
The Inverse Universe completely reimagines the original color for something new.



89, 1.182, 226.104



99, 1.472, 226.057



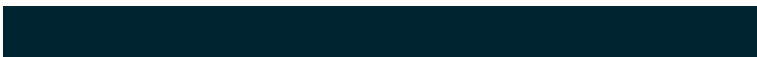
89, 1.606, 277.565



47, 0.754, 226.079



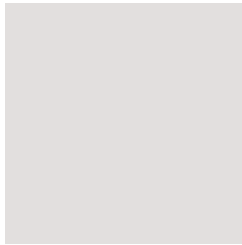
51, 34.639, 246.264



13, 13.735, 237.613

Previews

White Background



This preview shows how the CIELCh color 89, 1.188, 44.854 looks on a white background.

Color Contrast Check

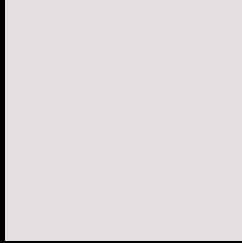
Large Text (above 18pt) WCAG AA × Fail

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, 1.188, 44.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

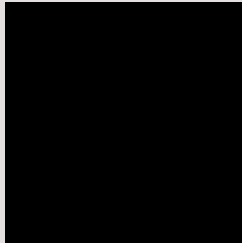
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

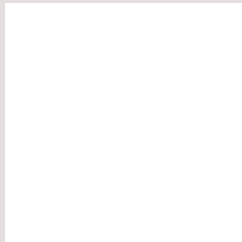
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 1.188, 44.854

Background



This preview shows how black text looks on a background with the CIELCh color 89, 1.188, 44.854.



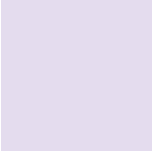
This preview shows how white text looks on a background with the CIELCh color 89, 1.188, 44.854.

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, 9.840, 307.452

Trichromacy



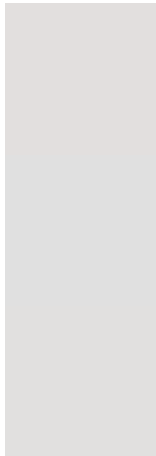
Original Color
89, 1.188, 44.854

Protanomaly
89, 1.800, 19.202

Deuteranomaly
89, 7.207, 3.120

Tritanomaly
89, 6.147, 310.818

Monochromacy



Original Color
89, 1.188, 44.854

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.620, 74.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 1.188, 44.854 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(226, 223, 222)` looks like.

```
.text, #text, p{  
    color:rgb(226, 223, 222)  
}
```

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(226, 223, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 1.188, 44.854 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(226, 223, 222) }
```

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

```
.border{ border-color:rgb(226, 223, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 223, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 223, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 223, 222);  
box-shadow:4px 4px 4px 4px rgb(226, 223,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 1.188, 44.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 222) }
```

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

```
.background{ background-color: rgb(226,  
223, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor