

Converting Colors

CIELCh(89, 8.348, 88.691)

Have a look what the booklet for
CIELCh(89, 8.348, 88.691) contains.

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Color

CIELCh(89, 8.309, 88.667)

Conversions

Conversions Part 1

Format	Color
Hex	E7DFD0
RGB	231, 223, 208
RGB Percent	91%, 87%, 82%
CMY	0.0949, 0.1263, 0.1851
CMYK	0.00, 0.03, 0.10, 0.09
HSL	39°, 32%, 86%
HSV	39°, 10%, 91%
XYZ	70.5811, 74.1641, 70.1385
YIQ	223.6820, 9.5830, -2.9690

Conversions

Conversions Part 2

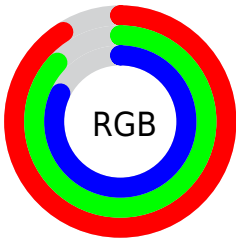
Format	Color
R_{YB}	220, 231, 208
Decimal	15196112
CIE _{Lab}	89.00, 0.19, 8.31
CIE _{LCh}	89, 8.309, 88.667
Yxy	74.1641, 0.3285, 0.3451
Android (android.graphics.Color)	4293386192 (0xFFE7DFD0)
YUV	223.6820, -7.7312, 6.4179
Hunter-Lab	86.1186, -4.4124, 11.9948

Details

The CIELCh color **89, 8.309, 88.667** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 8.292, 271.320**, 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, 8.121, 89.625** is the 20% darker color. If you saturate the color by 10%, you get **86, 16.854, 87.400**, and if you desaturate by 10%, it is **92, 0.040, 277.005**.

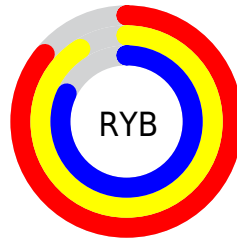
Distribution



Red (91%)

Green (87%)

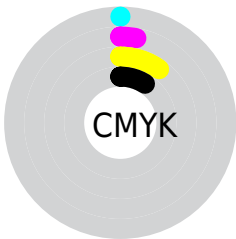
Blue (82%)



Red (86%)

Yellow (91%)

Blue (82%)

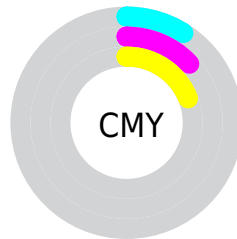


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.309, 88.667 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, 8.309, 88.667 by changing the saturation by 10% instead.



89, 8.309, 88.667

89, 8.309, 88.667

86, 16.854, 87.400

92, 0.040, 277.005

84, 25.583, 86.065

94, 8.199, 271.210

82, 34.461, 84.687

96, 6.814, 236.964

79, 43.402, 83.265

98, 8.219, 199.352

77, 52.229, 81.786

98, 8.257, 198.964

75, 60.609, 80.213

73, 67.955, 78.462

71, 73.406, 76.378

69, 76.491, 73.836

Harmonies

Complementary

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



89, 8.309, 88.667



86, 8.292, 271.320

Rectangle

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



89, 8.309, 88.667



89, 8.309, 138.667



89, 8.309, 268.667



89, 8.309, 318.667

Sweetspot

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



89, 8.310, 88.683



99, 2.684, 89.480



85, 9.409, 353.475



53, 2.038, 89.404



0, 0.000, 0.000



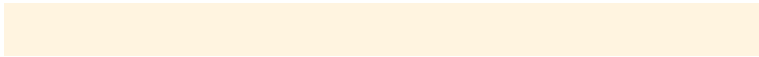
53, 0.007, 296.813

Same Dimension

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



89, 8.310, 88.683



97, 10.881, 88.419



91, 11.942, 115.318



47, 4.712, 88.746



54, 63.124, 74.376



14, 21.904, 77.084

Inverse Universe

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



86, 8.292, 271.320



93, 10.843, 271.620



84, 12.214, 296.846



45, 4.704, 271.249



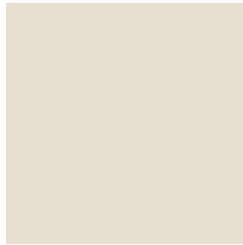
31, 72.951, 295.688



6, 25.024, 287.080

Previews

White Background



This preview shows how the CIELCh color 89, 8.309, 88.667 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, 8.309, 88.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

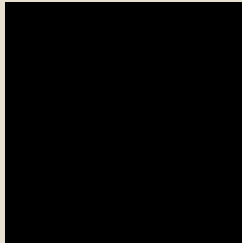
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

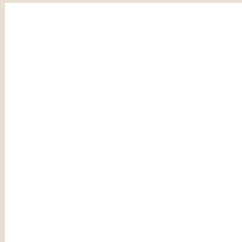
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.309, 88.667

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.309, 88.667.

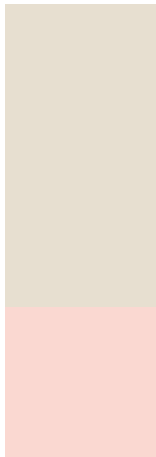


This preview shows how white text looks on a background with the CIELCh color 89, 8.309, 88.667.

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

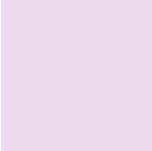
89, 8.309, 88.667

Protanopia

89, 8.309, 88.667

Deuteranopia

89, 13.247, 36.069



Tritanopia
89, 10.566, 323.200

Trichromacy



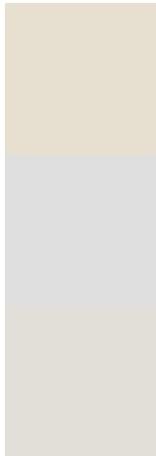
Original Color
89, 8.309, 88.667

Protanomaly
89, 8.309, 88.667

Deuteranomaly
89, 10.424, 46.478

Tritanomaly
89, 5.646, 346.170

Monochromacy



Original Color
89, 8.309, 88.667

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.284, 90.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.309, 88.667 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(231, 223, 208)` looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 208)  
}
```

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(231, 223, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.309, 88.667 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(231, 223, 208) }
```

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

```
.border{ border-color:rgb(231, 223, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 223, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 223, 208); box-shadow:4px 4px 4px 4px rgb(231, 223, 208) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.309, 88.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 208) }
```

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

```
.background{ background-color: rgb(231,  
223, 208) }
```

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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