

Converting Colors

CIELCh(89, 8.641, 107.201)

Have a look what the booklet for
CIELCh(89, 8.641, 107.201) contains.

CIELCh(89, 8.304, 106.944)	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, 8.304, 106.944)

Conversions

Conversions Part 1

Format	Color
Hex	E1E0D0
RGB	225, 224, 208
RGB Percent	88%, 88%, 82%
CMY	0.1161, 0.1200, 0.1828
CMYK	0.00, 0.00, 0.08, 0.12
HSL	56°, 22%, 85%
HSV	56°, 8%, 88%
XYZ	69.3660, 74.1641, 70.5819
YIQ	222.4750, 5.7320, -4.7640

Conversions

Conversions Part 2

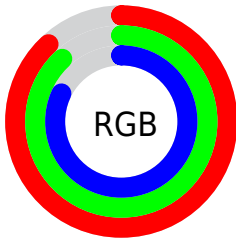
Format	Color
RYP	209, 225, 208
Decimal	14803152
CIELab	89.00, -2.42, 7.94
CIElCh	89, 8.304, 106.944
Yxy	74.1641, 0.3240, 0.3464
Android (android.graphics.Color)	4292993232 (0xFFE1E0D0)
YUV	222.4750, -7.1362, 2.2144
Hunter-Lab	86.1186, -6.9310, 11.6896

Details

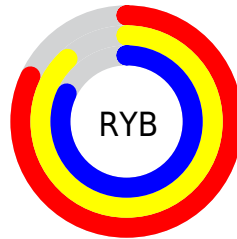
The CIELCh color **89, 8.304, 106.944** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 8.444, 288.537**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 8.206, 106.608** is the 20% darker color. If you saturate the color by 10%, you get **88, 19.305, 105.938**, and if you desaturate by 10%, it is **90, 2.716, 288.006**.

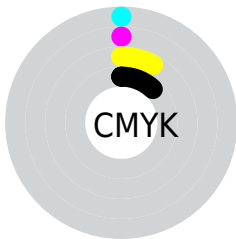
Distribution



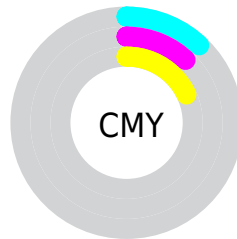
- Red (88%)
- Green (88%)
- Blue (82%)



- Red (82%)
- Yellow (88%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)



- Cyan (12%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.304, 106.944 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, 8.304, 106.944 by changing the saturation by 10% instead.



■ 89, 8.304, 106.944

■ 89, 8.304, 106.944

■ 88, 19.305,
105.938

■ 90, 2.716, 288.006

■ 87, 30.215,
104.906

■ 91, 13.721,
288.951

■ 87, 40.932,
103.878

■ 91, 13.835,
287.128

■ 86, 51.287,
102.874

■ 92, 13.172,
284.909

■ 85, 61.011,
101.915

■ 92, 12.531,
282.464

■ 85, 69.702,
101.030

■ 92, 11.915,
279.767

■ 84, 76.808,
100.248

■ 93, 11.329,
276.790

■ 84, 81.728, 99.591

■ 93, 10.776,
273.505

■ 84, 84.153, 99.060

■ 93, 10.262,
269.885

Harmonies

Complementary

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



89, 8.304, 106.944



84, 8.444, 288.537

Rectangle

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



89, 8.304, 106.944



89, 8.304, 156.944



89, 8.304, 286.944



89, 8.304, 336.944

Sweetspot

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



89, 8.306, 106.956



100, 2.425, 107.482



85, 6.277, 14.364



53, 1.379, 107.489



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, 8.306, 106.956



99, 10.953, 106.803



89, 9.250, 126.363



47, 6.230, 106.765



67, 70.320, 99.006



18, 26.421, 100.645

Inverse Universe

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



84, 8.444, 288.537



93, 11.162, 288.708



85, 9.373, 307.057



43, 6.353, 288.751



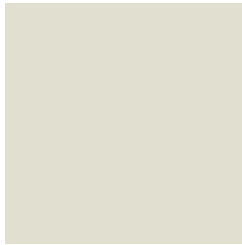
21, 98.606, 305.542



3, 30.346, 294.627

Previews

White Background



This preview shows how the CIELCh color 89, 8.304, 106.944 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, 8.304, 106.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

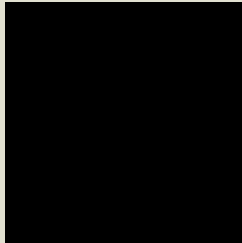
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

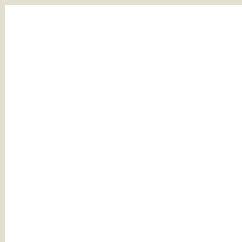
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.304, 106.944

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.304, 106.944.

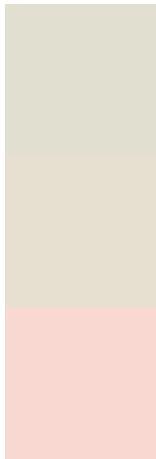


This preview shows how white text looks on a background with the CIELCh color 89, 8.304, 106.944.

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

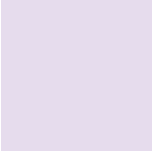
89, 8.304, 106.944

Protanopia

89, 8.798, 89.799

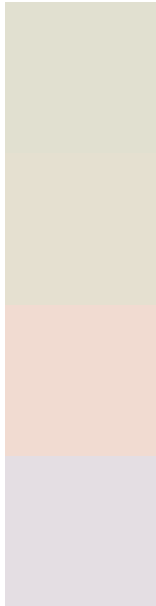
Deuteranopia

89, 13.090, 33.933



Tritanopia
89, 9.583, 312.374

Trichromacy



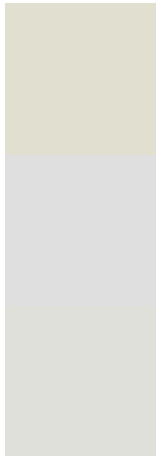
Original Color
89, 8.304, 106.944

Protanomaly
89, 8.486, 96.922

Deuteranomaly
89, 9.692, 52.123

Tritanomaly
89, 3.399, 329.453

Monochromacy



Original Color
89, 8.304, 106.944

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.108, 109.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.304, 106.944 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, 224, 208)` looks like.

```
.text, #text, p{  
    color:rgb(225, 224, 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(225, 224, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 224, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.304, 106.944 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, 224, 208) }
```

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

```
.border{ border-color:rgb(225, 224, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 224, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 224, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 224, 208);  
box-shadow:4px 4px 4px 4px rgb(225, 224,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.304, 106.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 224, 208) }
```

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

```
.background{ background-color: rgb(225,  
224, 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](#).

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