

Converting Colors

CIELCh(89, 2.183, 69.642)

Have a look what the booklet for
CIELCh(89, 2.183, 69.642) contains.

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Color

CIELCh(89, 2.107, 66.756)

Conversions

Conversions Part 1

Format	Color
Hex	E3DFDC
RGB	227, 223, 220
RGB Percent	89%, 87%, 86%
CMY	0.1104, 0.1260, 0.1378
CMYK	0.00, 0.02, 0.03, 0.11
HSL	26°, 11%, 88%
HSV	26°, 3%, 89%
XYZ	70.8800, 74.1641, 78.1891
YIQ	223.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

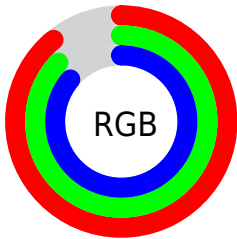
Format	Color
RYB	227, 225, 220
Decimal	14933980
CIELab	89.00, 0.83, 1.94
CIELCh	89, 2.107, 66.756
Yxy	74.1641, 0.3175, 0.3322
Android (android.graphics.Color)	4293124060 (0xFFE3DFDC)
YUV	223.8540, -1.9000, 2.7590
Hunter-Lab	86.1186, -3.7929, 6.4523

Details

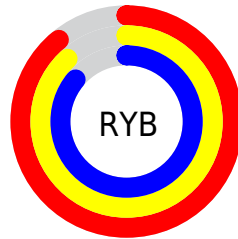
The CIELCh color **89, 2.107, 66.756** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 2.098, 247.944**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 2.227, 66.707** is the 20% darker color. If you saturate the color by 10%, you get **85, 9.219, 65.895**, and if you desaturate by 10%, it is **93, 4.622, 248.235**.

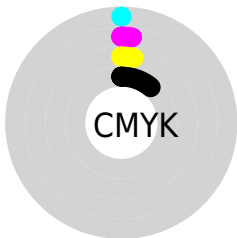
Distribution



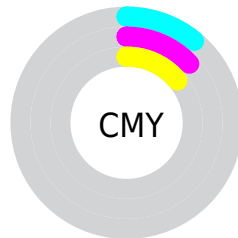
- Red (89%)
- Green (87%)
- Blue (86%)



- Red (89%)
- Yellow (88%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.107, 66.756 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, 2.107, 66.756 by changing the saturation by 10% instead.



89, 2.107, 66.756

89, 2.107, 66.756

85, 9.219, 65.895

93, 4.622, 248.235

81, 16.754, 64.824

96, 8.030, 222.550

78, 24.748, 63.753

98, 9.562, 198.871

74, 33.217, 62.702

71, 42.141, 61.673

67, 51.418, 60.644

64, 60.789, 59.547

61, 69.682, 58.211

59, 77.047, 56.290

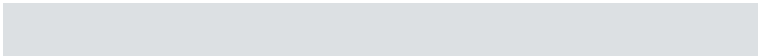
Harmonies

Complementary

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



89, 2.107, 66.756



89, 2.098, 247.944

Rectangle

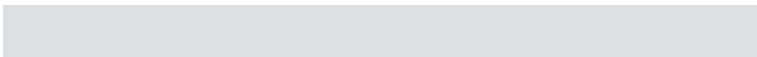
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



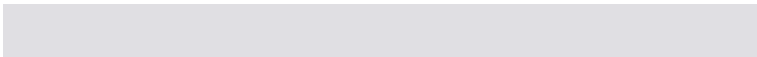
89, 2.107, 66.756



89, 2.107, 116.756



89, 2.107, 246.756



89, 2.107, 296.756

Sweetspot

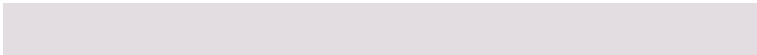
The Sweet Spot groups the original color and five complimentary colors.



89, 2.107, 66.823



100, 0.742, 66.587



88, 3.315, 339.528



53, 0.422, 66.556



0, 0.000, 0.000



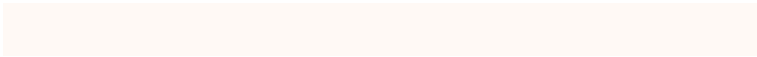
53, 0.007, 296.813

Same Dimension

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



89, 2.107, 66.823



98, 3.015, 66.772



90, 3.321, 106.251



46, 1.934, 66.721



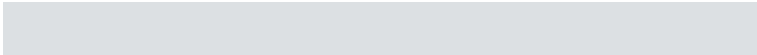
45, 66.648, 55.283



10, 19.822, 52.389

Inverse Universe

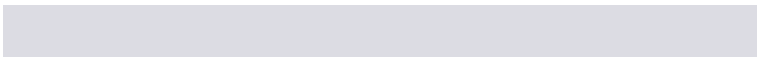
The Inverse Universe completely reimagines the original color for something new.



89, 2.098, 247.944



98, 2.986, 248.002



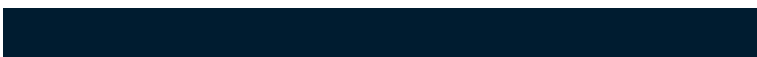
88, 3.359, 286.952



46, 1.909, 248.059



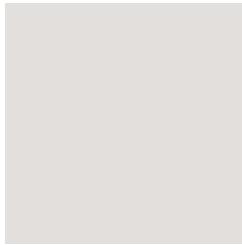
42, 47.184, 275.993



9, 16.870, 266.136

Previews

White Background



This preview shows how the CIELCh color 89, 2.107, 66.756 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, 2.107, 66.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

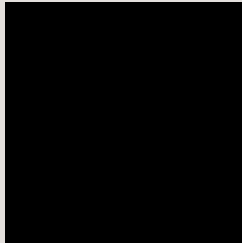
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

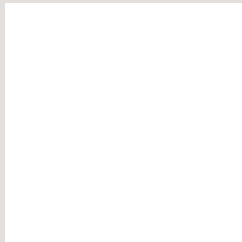
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.107, 66.756

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.107, 66.756.

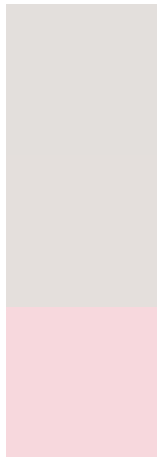


This preview shows how white text looks on a background with the CIELCh color 89, 2.107, 66.756.

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

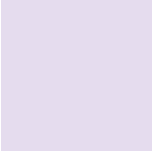
89, 2.107, 66.756

Protanopia

89, 2.392, 45.020

Deuteranopia

89, 11.276, 6.923



Tritanopia
89, 9.949, 309.392

Trichromacy



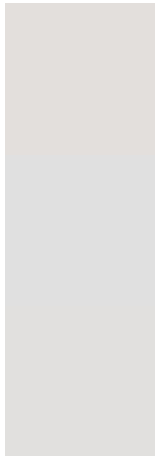
Original Color
89, 2.107, 66.756

Protanomaly
89, 2.392, 45.020

Deuteranomaly
89, 7.808, 8.411

Tritanomaly
89, 5.808, 315.879

Monochromacy



Original Color
89, 2.107, 66.756

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 1.086, 90.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.107, 66.756 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(227, 223, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 223, 220)  
}
```

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(227, 223, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 223, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.107, 66.756 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(227, 223, 220) }
```

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

```
.border{ border-color:rgb(227, 223, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 223, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 223, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 223, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 223,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.107, 66.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 223, 220) }
```

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

```
.background{ background-color: rgb(227,  
223, 220) }
```

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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