

Converting Colors

CIELCh(89, 16.720, 106.566)

Have a look what the booklet for
CIELCh(89, 16.720, 106.566)
contains.

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Color

CIELCh(89, 16.579, 106.190)

Conversions

Conversions Part 1

Format	Color
Hex	E3E1C1
RGB	227, 225, 193
RGB Percent	89%, 88%, 76%
CMY	0.1091, 0.1169, 0.2425
CMYK	0.00, 0.01, 0.15, 0.11
HSL	56°, 38%, 82%
HSV	56°, 15%, 89%
XYZ	68.3528, 74.1641, 61.2652
YIQ	221.9500, 11.4640, -9.5280

Conversions

Conversions Part 2

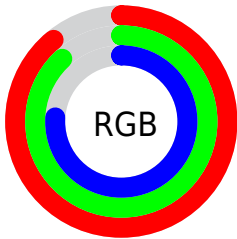
Format	Color
R_{YB}	195, 227, 193
Decimal	14934465
CIE _{Lab}	89.00, -4.62, 15.92
CIE _{LCh}	89, 16.579, 106.190
Y _{xy}	74.1641, 0.3354, 0.3639
Android (android.graphics.Color)	4293124545 (0xFFE3E1C1)
YUV	221.9500, -14.2723, 4.4289
Hunter-Lab	86.1186, -9.0311, 18.1038

Details

The CIELCh color $89, 16.579, 106.190$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $80, 17.088, 289.415$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 2.525, 109.959$, and $69, 16.894, 107.078$ is the 20% darker color. If you saturate the color by 10%, you get $88, 27.591, 105.166$, and if you desaturate by 10%, it is $90, 5.501, 107.205$.

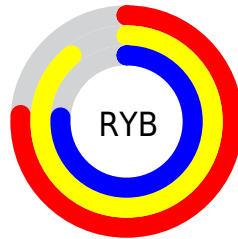
Distribution



Red (89%)

Green (88%)

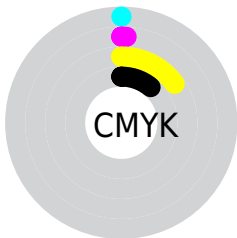
Blue (76%)



Red (76%)

Yellow (89%)

Blue (76%)

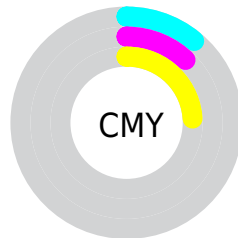


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (11%)



Cyan (11%)


Magenta (12%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.579, 106.190 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, 16.579, 106.190 by changing the saturation by 10% instead.


 89, 16.579,
106.190


 89, 16.579,
106.190


 100, 16.579,
106.190


 79, 16.579,
106.190

 69, 16.579,
106.190

 59, 16.579,
106.190

 49, 16.579,
106.190

 39, 16.579,
106.190

 29, 16.579,
106.190

 19, 16.579,

106.190

■ 9, 16.579, 106.190

■ 0, 16.579, 106.190

■ 89, 16.579,
106.190

■ 89, 16.579,
106.190

■ 88, 27.591,
105.166

■ 90, 5.501, 107.205

■ 87, 38.439,
104.134

■ 91, 5.589, 288.237

■ 87, 48.974,
103.121

■ 92, 13.384,
288.337

■ 86, 58.955,
102.148

■ 92, 12.705,
286.080

■ 86, 68.013,

■ 92, 12.048,
283.577

101.241

93, 11.417,
280.799

85, 75.628,
100.429

93, 10.815,
277.711

85, 81.190, 99.738

93, 10.249,
274.277

84, 84.234, 99.177

84, 85.054, 98.929

94, 9.723, 270.464

Harmonies

Complementary

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



89, 16.579, 106.190



80, 17.088, 289.415

Rectangle

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



89, 16.579, 106.190



89, 16.579, 156.190



89, 16.579, 286.190



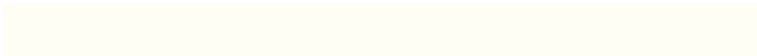
89, 16.579, 336.190

Sweetspot

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



89, 16.581, 106.197



100, 4.862, 107.296



81, 12.865, 15.075



53, 3.456, 107.223



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, 16.581, 106.197



98, 21.886, 105.873



88, 18.487, 125.994



48, 6.345, 106.757



68, 71.065, 98.994



19, 27.779, 100.399

Inverse Universe

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



80, 17.088, 289.415



86, 22.703, 289.825



80, 18.927, 307.449



44, 6.471, 288.749



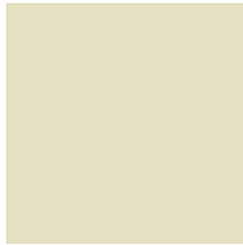
22, 99.703, 305.553



3, 32.302, 295.629

Previews

White Background



This preview shows how the CIELCh color 89, 16.579, 106.190 looks on a white background.

Color Contrast Check

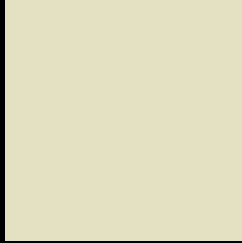
Large Text (above 18pt) WCAG AA × Fail

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, 16.579, 106.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

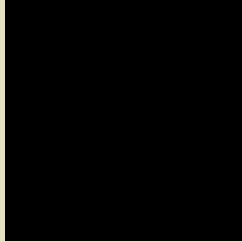
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

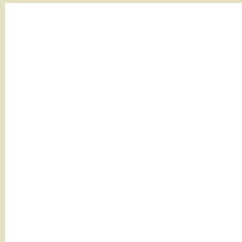
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.579, 106.190

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.579, 106.190.



This preview shows how white text looks on a background with the CIELCh color 89, 16.579, 106.190.

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, 16.579, 106.190

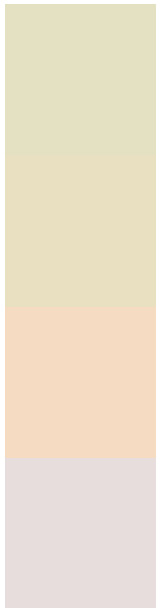
Protanopia
89, 16.697, 92.964

Deuteranopia
89, 18.642, 53.866



Tritanopia
89, 10.202, 319.811

Trichromacy



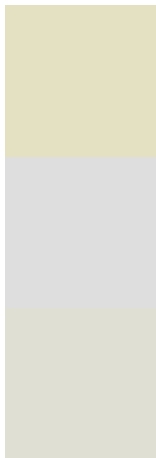
Original Color
89, 16.579, 106.190

Protanomaly
89, 16.841, 98.407

Deuteranomaly
89, 16.390, 71.773

Tritanomaly
89, 3.655, 27.660

Monochromacy



Original Color
89, 16.579, 106.190

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 5.717, 106.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.579, 106.190 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, 225, 193)` looks like.

```
.text, #text, p{  
    color:rgb(227, 225, 193)  
}
```

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, 225, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 225, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.579, 106.190 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, 225, 193) }
```

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

```
.border{ border-color:rgb(227, 225, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 225, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 225, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 225, 193);  
box-shadow:4px 4px 4px 4px rgb(227, 225,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.579, 106.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 225, 193) }
```

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

```
.background{ background-color: rgb(227,  
225, 193) }
```

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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