

Converting Colors

CIELCh(86, 33.926, 99.809)

Have a look what the booklet for
CIELCh(86, 33.926, 99.809) contains.

CIELCh(86, 33.952, 99.790)	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(86, 33.952, 99.790)

Conversions

Conversions Part 1

Format	Color
Hex	E3D897
RGB	227, 216, 151
RGB Percent	89%, 85%, 59%
CMY	0.1080, 0.1512, 0.4062
CMYK	0.00, 0.05, 0.33, 0.11
HSL	51°, 58%, 74%
HSV	51°, 33%, 89%
XYZ	62.1074, 67.9871, 39.3044
YIQ	211.8790, 27.4210, -17.8830

Conversions

Conversions Part 2

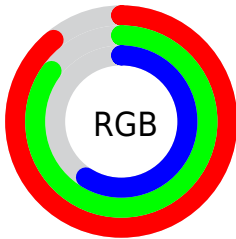
Format	Color
RYB	164, 227, 151
Decimal	14932119
CIELab	86.00, -5.77, 33.46
CIELCh	86, 33.952, 99.790
Yxy	67.9871, 0.3666, 0.4013
Android (android.graphics.Color)	4293122199 (0xFFE3D897)
YUV	211.8790, -30.0133, 13.2611
Hunter-Lab	82.4543, -9.8427, 29.4556

Details

The CIELCh color **86, 33.952, 99.790** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 35.870, 288.229**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.734, 108.302**, and **66, 33.981, 99.227** is the 20% darker color. If you saturate the color by 10%, you get **85, 43.909, 98.645**, and if you desaturate by 10%, it is **87, 23.826, 100.935**.

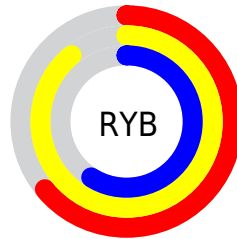
Distribution



Red (89%)

Green (85%)

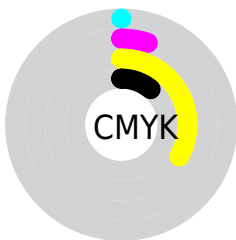
Blue (59%)



Red (64%)

Yellow (89%)

Blue (59%)

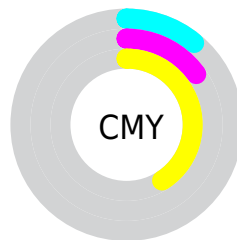


Cyan (0%)

Magenta (5%)

Yellow (33%)

Black (11%)



Cyan (11%)

Magenta (15%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 33.952, 99.790 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 86, 33.952, 99.790 by changing the saturation by 10% instead.

 86, 33.952, 99.790

 86, 33.952, 99.790

 100, 33.952,
99.790

 76, 33.952, 99.790

 66, 33.952, 99.790

 56, 33.952, 99.790

 46, 33.952, 99.790

 36, 33.952, 99.790

 26, 33.952, 99.790

 16, 33.952, 99.790

 6, 33.952, 99.790

 0, 33.952, 99.790

86, 33.952, 99.790

86, 33.952, 99.790

85, 43.909, 98.645

87, 23.826,
100.935

84, 53.498, 97.499

89, 13.642,
102.055

83, 62.404, 96.368

82, 70.138, 95.260

90, 3.468, 103.121

81, 76.041, 94.172

91, 6.659, 284.245

80, 79.469, 93.081

93, 11.534,
281.854

79, 80.528, 92.349

93, 10.084,
273.823

94, 8.891, 263.432

95, 8.067, 250.461

96, 7.727, 235.551

Harmonies

Complementary

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



86, 33.952, 99.790



68, 35.870, 288.229

Rectangle

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



86, 33.952, 99.790



86, 33.952, 149.790



86, 33.952, 279.790



86, 33.952, 329.790

Sweetspot

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



86, 33.953, 99.794



98, 11.137, 102.424



70, 30.584, 10.927



52, 7.601, 102.269



0, 0.000, 0.000



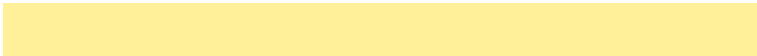
53, 0.007, 296.813

Same Dimension

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



86, 33.953, 99.794



94, 44.457, 99.010



87, 40.376, 121.856



48, 5.806, 102.489



64, 67.268, 92.535



18, 25.662, 94.793

Inverse Universe

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



68, 35.870, 288.229



71, 47.684, 289.530



68, 43.032, 305.785



45, 5.895, 284.632



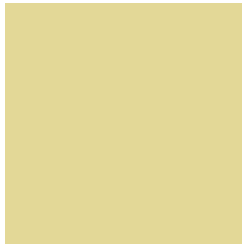
24, 94.270, 303.960



4, 30.313, 293.762

Previews

White Background



This preview shows how the CIELCh color 86, 33.952, 99.790 looks on a white background.

Color Contrast Check

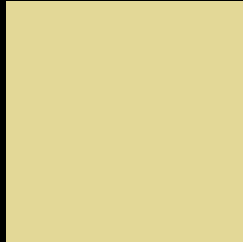
Large Text (above 18pt) WCAG AA × Fail

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 86, 33.952, 99.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

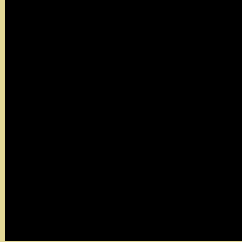
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 33.952, 99.790

Background



This preview shows how black text looks on a background with the CIELCh color 86, 33.952, 99.790.



This preview shows how white text looks on a background with the CIELCh color 86, 33.952, 99.790.

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

86, 33.952, 99.790

Protanopia

86, 33.906, 95.641

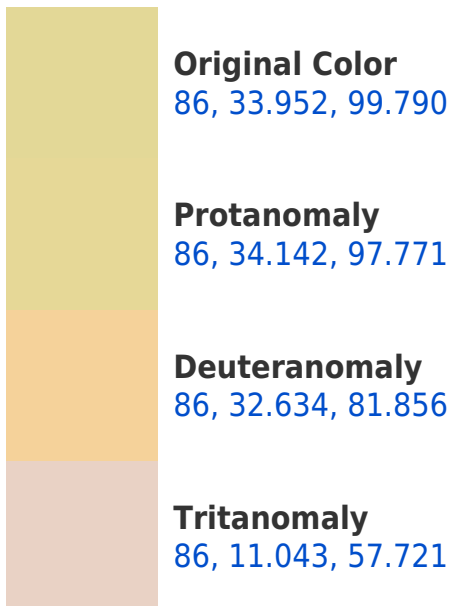
Deuteranopia

86, 33.649, 71.491

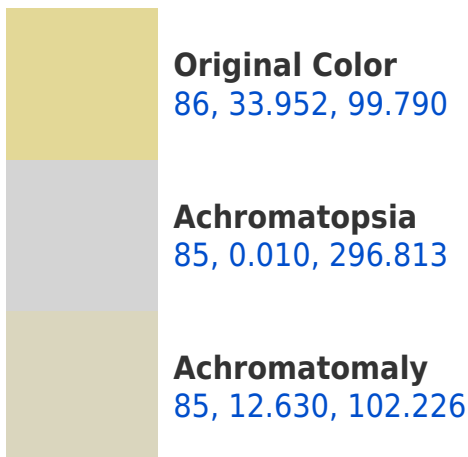


Tritanopia
86, 13.457, 341.928

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 33.952, 99.790 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, 216, 151)` looks like.

```
.text, #text, p{  
    color:rgb(227, 216, 151)  
}
```

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, 216, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 216, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 33.952, 99.790 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, 216, 151) }
```

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

```
.border{ border-color:rgb(227, 216, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 216, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 216, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 216, 151);  
box-shadow:4px 4px 4px 4px rgb(227, 216,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 33.952, 99.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 216, 151) }
```

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

```
.background{ background-color: rgb(227,  
216, 151) }
```

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