

Converting Colors

CIELCh(85, 33.233, 91.106)

Have a look what the booklet for
CIELCh(85, 33.233, 91.106) contains.

CIELCh(85, 33.648, 91.254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 33.648, 91.254)

Conversions

Conversions Part 1

Format	Color
Hex	EAD395
RGB	234, 211, 149
RGB Percent	92%, 83%, 58%
CMY	0.0838, 0.1739, 0.4170
CMYK	0.00, 0.10, 0.36, 0.08
HSL	44°, 67%, 75%
HSV	44°, 36%, 92%
XYZ	62.4199, 66.0070, 37.7468
YIQ	210.8090, 33.6100, -14.4060

Conversions

Conversions Part 2

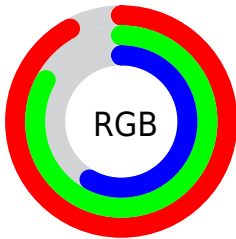
Format	Color
R _Y B	181, 234, 149
Decimal	15389589
CIE Lab	85.00, -0.74, 33.64
CIE LCh	85, 33.648, 91.254
Yxy	66.0070, 0.3756, 0.3972
Android (android.graphics.Color)	4293579669 (0xFFEAD395)
YUV	210.8090, -30.4718, 20.3385
Hunter-Lab	81.2447, -5.0376, 29.3248

Details

The CIELCh color **85, 33.648, 91.254** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **71, 34.332, 281.577**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **65, 34.005, 91.680** is the 20% darker color. If you saturate the color by 10%, you get **83, 42.994, 89.920**, and if you desaturate by 10%, it is **87, 24.277, 92.563**.

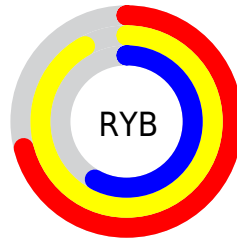
Distribution



Red (92%)

Green (83%)

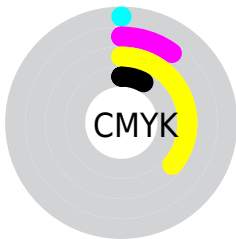
Blue (58%)



Red (71%)

Yellow (92%)

Blue (58%)

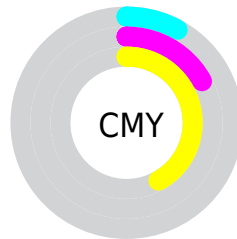


Cyan (0%)

Magenta (10%)

Yellow (36%)

Black (8%)



Cyan (8%)

Magenta (17%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 33.648, 91.254 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 85, 33.648, 91.254 by changing the saturation by 10% instead.

 85, 33.648, 91.254

 85, 33.648, 91.254

 100, 33.648,
91.254

 75, 33.648, 91.254

 65, 33.648, 91.254

 55, 33.648, 91.254

 45, 33.648, 91.254

 35, 33.648, 91.254

 25, 33.648, 91.254

 15, 33.648, 91.254

 5, 33.648, 91.254

 0, 33.648, 91.254

85, 33.648, 91.254

85, 33.648, 91.254

83, 42.994, 89.920

87, 24.277, 92.563

81, 52.134, 88.543

89, 14.970, 93.827

79, 60.753, 87.116

91, 5.775, 95.033

78, 68.322, 85.598

93, 3.287, 276.325

76, 74.069, 83.912

95, 7.126, 266.286

74, 77.208, 81.929

97, 6.019, 232.397

74, 77.934, 81.160

98, 7.269, 199.473

99, 7.307, 199.034

Harmonies

Complementary

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



85, 33.648, 91.254



71, 34.332, 281.577

Rectangle

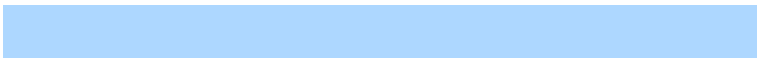
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 33.648, 91.254



85, 33.648, 141.254



85, 33.648, 271.254



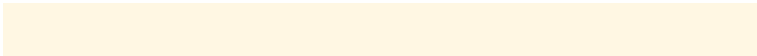
85, 33.648, 321.254

Sweetspot

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



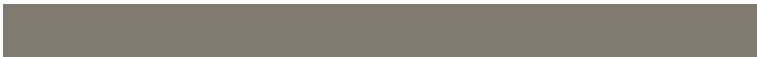
85, 33.649, 91.259



97, 10.757, 94.479



71, 35.083, 1.452



52, 7.236, 94.314



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 33.649, 91.259



90, 43.792, 90.211



90, 43.779, 116.209



48, 5.185, 94.669



58, 64.458, 81.571



17, 24.328, 84.450

Inverse Universe

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



71, 34.332, 281.577



72, 45.043, 283.299



66, 47.585, 301.710



46, 5.216, 277.055



28, 82.889, 299.690



5, 28.876, 291.537

Previews

White Background



This preview shows how the CIELCh color 85, 33.648, 91.254 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 85, 33.648, 91.254 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 85, 33.648, 91.254

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.648, 91.254.



This preview shows how white text looks on a background with the CIELCh color 85, 33.648, 91.254.

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

85, 33.648, 91.254

Protanopia

85, 33.489, 95.470

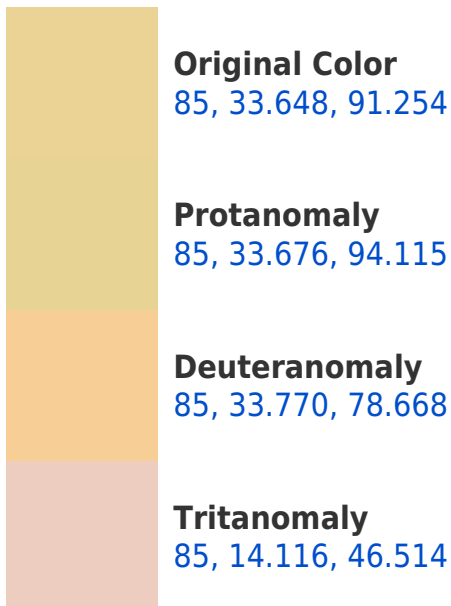
Deuteranopia

85, 34.891, 71.757

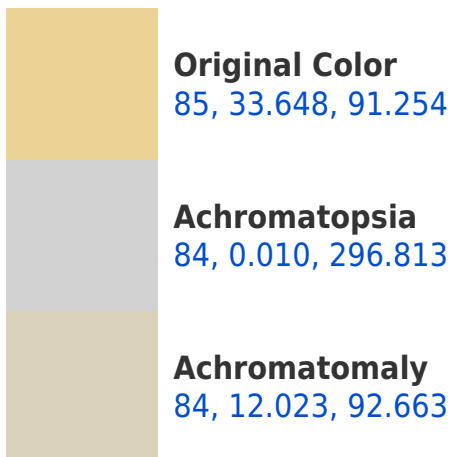


Tritanopia
85, 16.542, 350.288

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 33.648, 91.254 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(234, 211, 149)` looks like.

```
.text, #text, p{  
    color:rgb(234, 211, 149)  
}
```

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(234, 211, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 211, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 33.648, 91.254 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(234, 211, 149) }
```

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

```
.border{ border-color:rgb(234, 211, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 211, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 211, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 211, 149);  
box-shadow:4px 4px 4px 4px rgb(234, 211,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.648, 91.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 211, 149) }
```

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

```
.background{ background-color: rgb(234,  
211, 149) }
```

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