

# Converting Colors

CIELCh(84, 15.109, 325.006)

Have a look what the booklet for  
CIELCh(84, 15.109, 325.006)  
contains.

<b>CIELCh(84, 15.347, 325.007)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(84, 15.347, 325.007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CAE2
RGB	226, 202, 226
RGB Percent	89%, 79%, 89%
CMY	0.1128, 0.2069, 0.1128
CMYK	0.00, 0.11, 0.00, 0.11
HSL	300°, 29%, 84%
HSV	300°, 11%, 89%
XYZ	66.3779, 64.0658, 80.9939
YIQ	211.9120, 6.6000, 12.5520

# Conversions

## Conversions Part 2

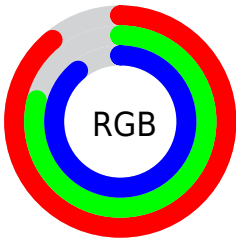
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 202, 226
Decimal	14863074
CIE Lab	84.00, 12.57, -8.80
CIE LCh	84, 15.347, 325.007
Yxy	64.0658, 0.3139, 0.3030
Android (android.graphics.Color)	4293053154 (0xFFE2CAE2)
YUV	211.9120, 6.9454, 12.3552
Hunter-Lab	80.0411, 7.9578, -3.9670

# Details

The CIELCh color `84, 15.347, 325.007` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 15.324, 143.828`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 15.513, 325.153` is the 20% darker color. If you saturate the color by 10%, you get `79, 29.909, 325.564`, and if you desaturate by 10%, it is `90, 0.882, 324.156`.

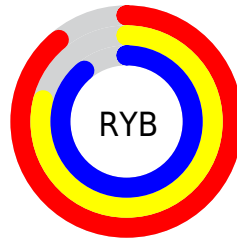
# Distribution



Red (89%)

Green (79%)

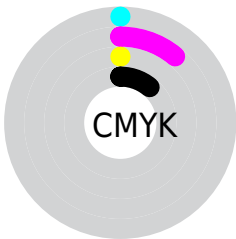
Blue (89%)



Red (89%)

Yellow (79%)

Blue (89%)

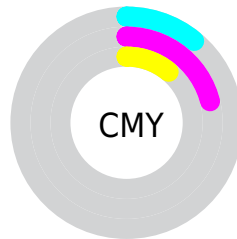


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (21%)


Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 15.347, 325.007 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 84, 15.347, 325.007 by changing the saturation by 10% instead.





 84, 15.347,  
325.007


 84, 15.347,  
325.007


 100, 15.347,  
325.007


 74, 15.347,  
325.007


 64, 15.347,  
325.007

 54, 15.347,  
325.007

 44, 15.347,  
325.007

 34, 15.347,  
325.007

 24, 15.347,  
325.007

 14, 15.347,

325.007

■ 4, 15.347, 325.007

■ 0, 15.347, 325.007

■ 84, 15.347,  
325.007

■ 84, 15.347,  
325.007

■ 79, 29.909,  
325.564

■ 90, 0.882, 324.156

■ 73, 44.335,  
326.103

■ 95, 13.320,  
143.959

■ 69, 58.279,  
326.612

■ 97, 17.957,  
143.779

■ 64, 71.291,  
327.075

■ 97, 17.957,  
143.779

■ 61, 82.830,

■ 97, 17.956,  
143.780

327.476

97, 17.956,  
143.781

58, 92.333,  
327.798

97, 17.956,  
143.781

56, 99.337,  
328.030

97, 17.955,  
143.782

54, 103.629,  
328.171

97, 17.955,  
143.783

54, 105.572,  
328.234

# Harmonies

# Complementary

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



84, 15.347, 325.007



88, 15.324, 143.828

# Rectangle

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



84, 15.347, 325.007



84, 15.347, 15.007



84, 15.347, 145.007



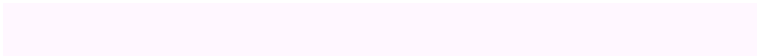
84, 15.347, 195.007

# Sweetspot

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



84, 15.345, 325.007



98, 4.763, 324.544



82, 12.732, 291.290



52, 3.611, 324.602



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



84, 15.345, 325.007



92, 20.745, 325.147



84, 10.821, 344.505



44, 8.154, 324.940



42, 87.488, 328.234



8, 35.925, 328.230



# Inverse Universe

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



84, 15.345, 325.007



92, 20.745, 325.147



88, 10.671, 162.797



44, 8.154, 324.940



42, 87.488, 328.234

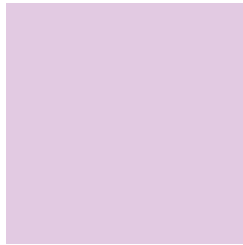


8, 35.925, 328.230



# Previews

## White Background



This preview shows how the CIELCh color 84, 15.347, 325.007 looks on a white background.

## Color Contrast Check

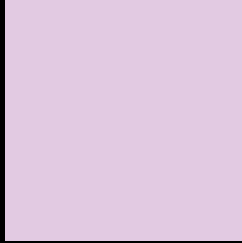
Large Text (above 18pt) WCAG AA × Fail

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 84, 15.347, 325.007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

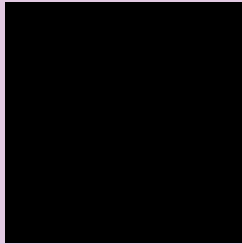
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 84, 15.347, 325.007**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 15.347, 325.007.



This preview shows how white text looks on a background with the CIELCh color 84, 15.347, 325.007.

# 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

84, 15.347, 325.007

### Protanopia

84, 11.611, 289.466

### Deuteranopia

84, 13.319, 319.772





**Tritanopia**  
84, 11.631, 333.828

# Trichromacy



**Original Color**  
84, 15.347, 325.007

**Protanomaly**  
84, 12.509, 304.135

**Deuteranomaly**  
84, 14.319, 322.564

**Tritanomaly**  
84, 12.812, 328.958

# Monochromacy



**Original Color**  
84, 15.347, 325.007

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
84, 5.778, 324.621

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 15.347, 325.007 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(226, 202, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 202, 226)  
}
```

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(226, 202, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 202, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 15.347, 325.007 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(226, 202, 226) }
```

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

```
.border{ border-color:rgb(226, 202, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 202, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 202, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 202, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 202,  
226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 15.347, 325.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 202, 226) }
```

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

```
.background{ background-color: rgb(226,  
202, 226) }
```

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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