

# Converting Colors

CIELCh(88, 9.146, 2.926)

Have a look what the booklet for  
CIELCh(88, 9.146, 2.926) contains.

<b>CIELCh(88, 9.137, 3.510)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(88, 9.137, 3.510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFD7DC
RGB	239, 215, 220
RGB Percent	94%, 84%, 86%
CMY	0.0630, 0.1571, 0.1375
CMYK	0.00, 0.10, 0.08, 0.06
HSL	348°, 43%, 89%
HSV	348°, 10%, 94%
XYZ	72.7620, 72.0653, 77.7347
YIQ	222.7460, 12.6990, 6.6430

# Conversions

## Conversions Part 2

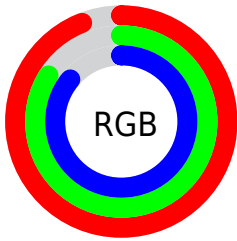
Format	Color
R <sub>Y</sub> B	239, 215, 220
Decimal	15718364
CIE Lab	88.00, 9.12, 0.56
CIE LCh	88, 9.137, 3.510
Yxy	72.0653, 0.3269, 0.3238
Android (android.graphics.Color)	4293908444 (0xFFEFD7DC)
YUV	222.7460, -1.3538, 14.2548
Hunter-Lab	84.8913, 4.4362, 5.1322

# Details

The CIELCh color **88, 9.137, 3.510** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **93, 8.786, 181.786**, 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 **68, 9.291, 3.086** is the 20% darker color. If you saturate the color by 10%, you get **82, 18.695, 4.668**, and if you desaturate by 10%, it is **94, 0.043, 348.950**.

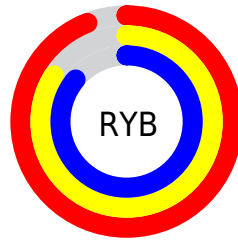
# Distribution



Red (94%)

Green (84%)

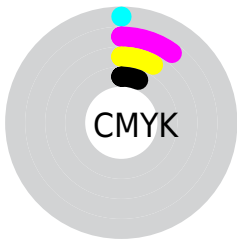
Blue (86%)



Red (94%)

Yellow (84%)

Blue (86%)

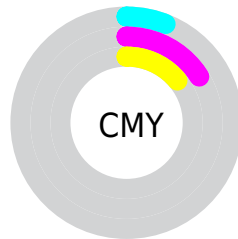


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (6%)



Cyan (6%)

Magenta (16%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 9.137, 3.510 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 88, 9.137, 3.510 by changing the saturation by 10% instead.



88, 9.137, 3.510

88, 9.137, 3.510

100, 9.137, 3.510

78, 9.137, 3.510

68, 9.137, 3.510

58, 9.137, 3.510

48, 9.137, 3.510

38, 9.137, 3.510

28, 9.137, 3.510

18, 9.137, 3.510

8, 9.137, 3.510

0, 9.137, 3.510

88, 9.137, 3.510

88, 9.137, 3.510

82, 18.695, 4.668

94, 0.043, 348.950

76, 28.655, 6.014

99, 5.527, 199.175

70, 38.868, 7.647

65, 49.090, 9.673

60, 58.967, 12.228

56, 68.087, 15.471

53, 76.102, 19.541

51, 82.890, 24.458

50, 88.733, 29.801

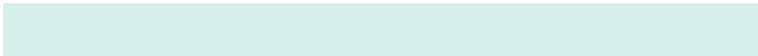
# Harmonies

# Complementary

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



88, 9.137, 3.510



93, 8.786, 181.786

# Rectangle

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



88, 9.137, 3.510



88, 9.137, 53.510



88, 9.137, 183.510



88, 9.137, 233.510

# Sweetspot

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



88, 9.135, 3.520



98, 2.826, 2.685



88, 14.238, 318.735



52, 2.147, 2.805



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



88, 9.135, 3.520



92, 11.567, 3.739



90, 7.227, 48.836



47, 5.175, 3.458



38, 72.208, 28.803



8, 28.979, 15.189





# Inverse Universe

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



88, 9.135, 3.520



92, 11.567, 3.739



91, 6.831, 230.272



47, 5.175, 3.458



38, 72.208, 28.803

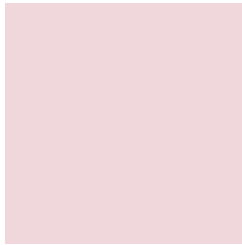


8, 28.979, 15.189



# Previews

## White Background



This preview shows how the CIELCh color 88, 9.137, 3.510 looks on a white background.

## Color Contrast Check

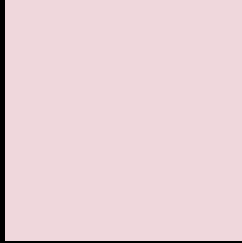
Large Text (above 18pt) WCAG AA × Fail

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 88, 9.137, 3.510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

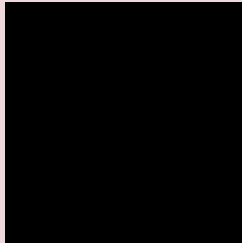
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 9.137, 3.510**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 9.137, 3.510.

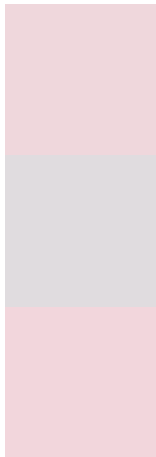


This preview shows how white text looks on a background with the CIELCh color 88, 9.137, 3.510.

# 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

88, 9.137, 3.510

### Protanopia

88, 2.143, 332.291

### Deuteranopia

88, 10.700, 3.232



**Tritanopia**  
88, 13.172, 338.083



# Trichromacy



## Original Color

88, 9.137, 3.510

## Protanomaly

88, 4.502, 352.029

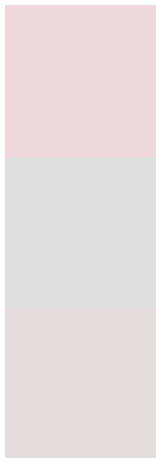
## Deuteranomaly

88, 10.347, 2.599

## Tritanomaly

88, 11.309, 346.686

# Monochromacy



## Original Color

88, 9.137, 3.510

## Achromatopsia

89, 0.011, 296.813

## Achromatomaly

89, 3.420, 1.769

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 9.137, 3.510 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(239, 215, 220)` looks like.

```
.text, #text, p{  
    color:rgb(239, 215, 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(239, 215, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 215, 220) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 9.137, 3.510 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(239, 215, 220) }
```

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

```
.border{ border-color:rgb(239, 215, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 215, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 215, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 215, 220);  
box-shadow:4px 4px 4px 4px rgb(239, 215,  
220) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 9.137, 3.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 215, 220) }
```

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

```
.background{ background-color: rgb(239,  
215, 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](#).

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