

# Converting Colors

CIELCh(88, 7.064, 43.773)

Have a look what the booklet for  
CIELCh(88, 7.064, 43.773) contains.

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# Color

**CIELCh(88, 7.115, 41.164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD9D4
RGB	235, 217, 212
RGB Percent	92%, 85%, 83%
CMY	0.0783, 0.1489, 0.1685
CMYK	0.00, 0.08, 0.10, 0.08
HSL	13°, 37%, 88%
HSV	13°, 10%, 92%
XYZ	70.9807, 72.0653, 72.4778
YIQ	221.8120, 12.3330, 2.2610

# Conversions

## Conversions Part 2

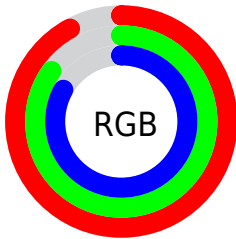
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 218, 212
Decimal	15456724
CIE Lab	88.00, 5.36, 4.68
CIE LCh	88, 7.115, 41.164
Yxy	72.0653, 0.3293, 0.3344
Android (android.graphics.Color)	4293646804 (0xFFEBD9D4)
YUV	221.8120, -4.8373, 11.5659
Hunter-Lab	84.8913, 0.6906, 8.8037

# Details

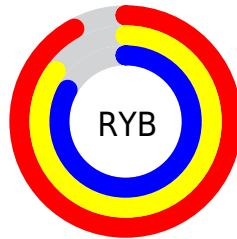
The CIELCh color **88, 7.115, 41.164** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 6.698, 221.990**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 7.194, 42.245** is the 20% darker color. If you saturate the color by 10%, you get **83, 14.990, 41.048**, and if you desaturate by 10%, it is **93, 0.153, 225.518**.

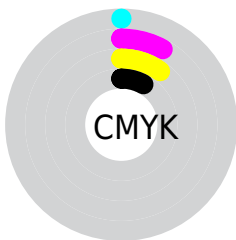
# Distribution



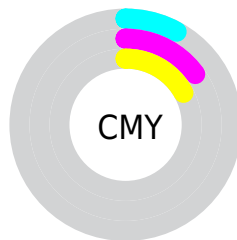
- Red (92%)
- Green (85%)
- Blue (83%)



- Red (92%)
- Yellow (85%)
- Blue (83%)



- Cyan (0%)
- Magenta (8%)
- Yellow (10%)
- Black (8%)















- Cyan (8%)
- Magenta (15%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 7.115, 41.164 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, 7.115, 41.164 by changing the saturation by 10% instead.



 88, 7.115, 41.164	 88, 7.115, 41.164
 100, 7.115, 41.164	 78, 7.115, 41.164
	 68, 7.115, 41.164
	 58, 7.115, 41.164
	 48, 7.115, 41.164
	 38, 7.115, 41.164
	 28, 7.115, 41.164
	 18, 7.115, 41.164
	 8, 7.115, 41.164
	 0, 7.115, 41.164

88, 7.115, 41.164

88, 7.115, 41.164

83, 14.990, 41.048

93, 0.153, 225.518

78, 23.529, 41.002

98, 6.451, 204.477

73, 32.769, 41.106

99, 6.840, 199.069

69, 42.709, 41.397

64, 53.286, 41.902

60, 64.313, 42.606

57, 75.346, 43.392

54, 85.377, 43.900

52, 92.927, 43.674

# Harmonies

# Complementary

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



88, 7.115, 41.164



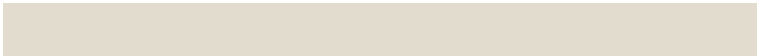
90, 6.698, 221.990

# Rectangle

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



88, 7.115, 41.164



88, 7.115, 91.164



88, 7.115, 221.164



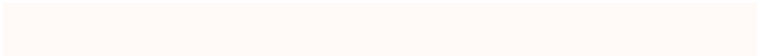
88, 7.115, 271.164

# Sweetspot

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



88, 7.114, 41.185



98, 2.266, 41.162



87, 12.552, 331.710



52, 1.723, 41.200



0, 0.000, 0.000



53, 0.007, 296.813

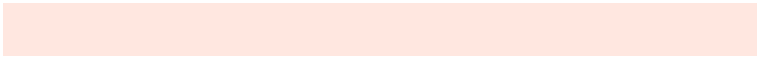


# Same Dimension

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



88, 7.114, 41.185



93, 9.407, 41.151



91, 8.830, 93.706



46, 4.118, 41.189



40, 76.116, 44.107



9, 24.677, 35.328



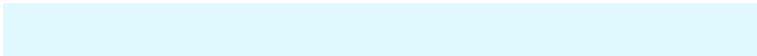


# Inverse Universe

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



90, 6.698, 221.990



96, 8.724, 222.080



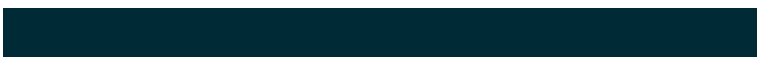
87, 8.872, 276.196



48, 3.886, 221.979



55, 34.331, 239.311

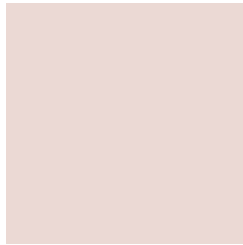


15, 14.465, 232.398



# Previews

## White Background



This preview shows how the CIELCh color 88, 7.115, 41.164 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, 7.115, 41.164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

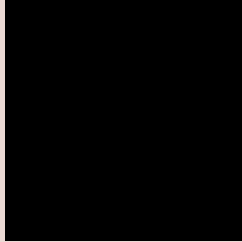
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

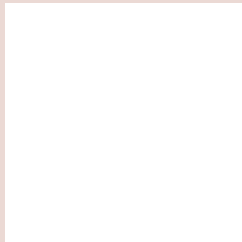
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 7.115, 41.164

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 7.115, 41.164.

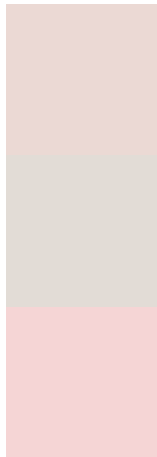


This preview shows how white text looks on a background with the CIELCh color 88, 7.115, 41.164.

# 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, 7.115, 41.164

### Protanopia

88, 3.792, 74.669

### Deuteranopia

88, 11.850, 20.230



**Tritanopia**  
88, 12.389, 334.609



# Trichromacy



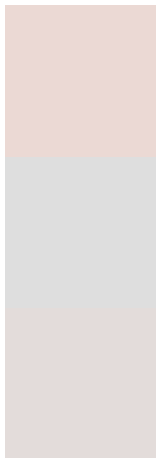
**Original Color**  
88, 7.115, 41.164

**Protanomaly**  
88, 4.792, 60.084

**Deuteranomaly**  
88, 9.986, 23.049

**Tritanomaly**  
88, 9.261, 349.648

# Monochromacy



**Original Color**  
88, 7.115, 41.164

**Achromatopsia**  
88, 0.011, 296.813

**Achromatomaly**  
88, 2.730, 41.746

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 7.115, 41.164 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(235, 217, 212)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 212)  
}
```

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(235, 217, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 7.115, 41.164 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(235, 217, 212) }
```

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

```
.border{ border-color:rgb(235, 217, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 217, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 212);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 7.115, 41.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 212) }
```

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

```
.background{ background-color: rgb(235,  
217, 212) }
```

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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