

Converting Colors

CIELCh(91, 7.643, 87.772)

Have a look what the booklet for
CIELCh(91, 7.643, 87.772) contains.

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Color

CIELCh(91, 7.311, 85.958)

Conversions

Conversions Part 1

Format	Color
Hex	ECE4D7
RGB	236, 228, 215
RGB Percent	93%, 89%, 84%
CMY	0.0732, 0.1046, 0.1556
CMYK	0.00, 0.03, 0.09, 0.07
HSL	37°, 36%, 89%
HSV	37°, 9%, 93%
XYZ	74.8464, 78.4833, 75.7159
YIQ	228.9100, 8.9410, -2.3470

Conversions

Conversions Part 2

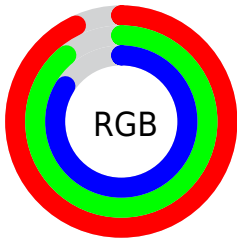
Format	Color
RYB	228, 236, 215
Decimal	15525079
CIELab	91.00, 0.52, 7.29
CIELCh	91, 7.311, 85.958
Yxy	78.4833, 0.3268, 0.3427
Android (android.graphics.Color)	4293715159 (0xFFECE4D7)
YUV	228.9100, -6.8576, 6.2179
Hunter-Lab	88.5908, -4.2273, 11.3402

Details

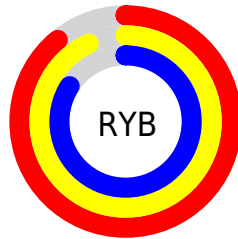
The CIELCh color **91, 7.311, 85.958** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 7.276, 268.371**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 7.564, 88.364** is the 20% darker color. If you saturate the color by 10%, you get **88, 15.767, 84.691**, and if you desaturate by 10%, it is **94, 0.913, 267.625**.

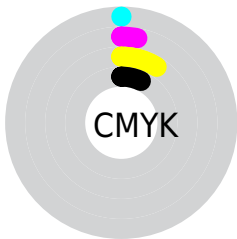
Distribution



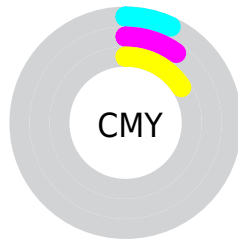
- Red (93%)
- Green (89%)
- Blue (84%)



- Red (89%)
- Yellow (93%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 7.311, 85.958 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 91, 7.311, 85.958 by changing the saturation by 10% instead.

 91, 7.311, 85.958	 91, 7.311, 85.958
 100, 7.311, 85.958	 81, 7.311, 85.958
	 71, 7.311, 85.958
	 61, 7.311, 85.958
	 51, 7.311, 85.958
	 41, 7.311, 85.958
	 31, 7.311, 85.958
	 21, 7.311, 85.958
	 11, 7.311, 85.958
	 1, 7.311, 85.958

91, 7.311, 85.958

91, 7.311, 85.958

88, 15.767, 84.691

94, 0.913, 267.625

85, 24.452, 83.349

97, 5.557, 252.442

83, 33.342, 81.965

99, 6.402, 199.103

80, 42.372, 80.539

78, 51.389, 79.057

75, 60.095, 77.478

73, 67.936, 75.715

71, 74.046, 73.596

69, 77.684, 70.928

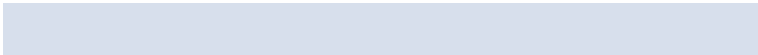
Harmonies

Complementary

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



91, 7.311, 85.958



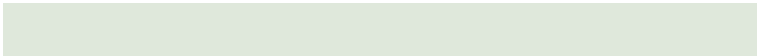
89, 7.276, 268.371

Rectangle

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



91, 7.311, 85.958



91, 7.311, 135.958



91, 7.311, 265.958



91, 7.311, 315.958

Sweetspot

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



91, 7.312, 85.977



99, 2.597, 86.640



88, 8.705, 351.212



53, 1.973, 86.566



0, 0.000, 0.000



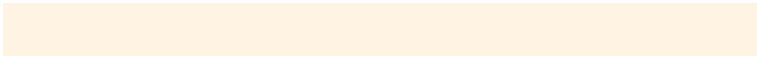
53, 0.007, 296.813

Same Dimension

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



91, 7.312, 85.977



97, 9.657, 85.706



93, 10.834, 114.057



48, 4.650, 85.905



53, 63.876, 71.234



15, 22.786, 73.686

Inverse Universe

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



89, 7.276, 268.371



94, 9.585, 268.676



87, 11.060, 295.503



46, 4.624, 268.451



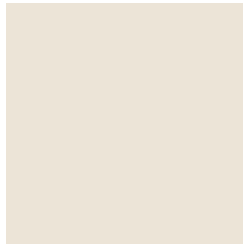
33, 69.797, 293.665



7, 25.151, 286.334

Previews

White Background



This preview shows how the CIELCh color 91, 7.311, 85.958 looks on a white background.

Color Contrast Check

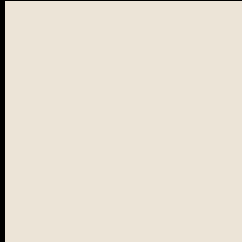
Large Text (above 18pt) WCAG AA × Fail

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 91, 7.311, 85.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

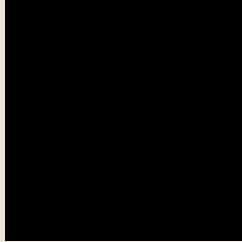
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

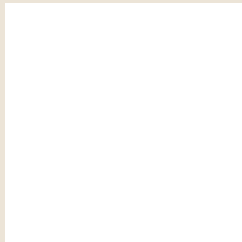
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 7.311, 85.958

Background



This preview shows how black text looks on a background with the CIELCh color 91, 7.311, 85.958.

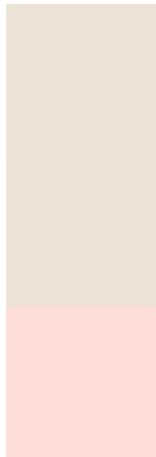


This preview shows how white text looks on a background with the CIELCh color 91, 7.311, 85.958.

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

91, 7.311, 85.958

Protanopia

91, 7.466, 83.356

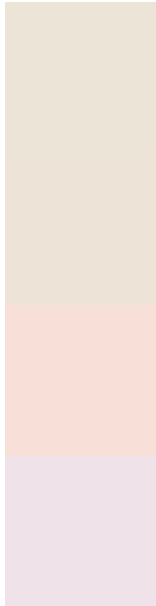
Deuteranopia

91, 12.503, 32.059



Tritanopia
91, 10.962, 321.734

Trichromacy



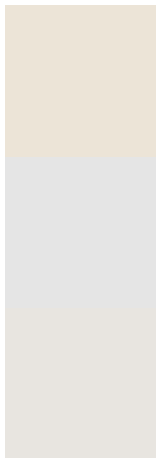
Original Color
91, 7.311, 85.958

Protanomaly
91, 7.466, 83.356

Deuteranomaly
91, 9.783, 44.819

Tritanomaly
91, 5.618, 346.156

Monochromacy



Original Color
91, 7.311, 85.958

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 2.784, 87.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 7.311, 85.958 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(236, 228, 215)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 215)  
}
```

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(236, 228, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 7.311, 85.958 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(236, 228, 215) }
```

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

```
.border{ border-color:rgb(236, 228, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 215);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 7.311, 85.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 215) }
```

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

```
.background{ background-color: rgb(236,  
228, 215) }
```

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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