

Converting Colors

CIELCh(91, 13.571, 98.820)

Have a look what the booklet for
CIELCh(91, 13.571, 98.820) contains.

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Color

CIELCh(91, 13.583, 99.594)

Conversions

Conversions Part 1

Format	Color
Hex	ECE6CC
RGB	236, 230, 204
RGB Percent	93%, 90%, 80%
CMY	0.0761, 0.0995, 0.2015
CMYK	0.00, 0.03, 0.14, 0.08
HSL	49°, 45%, 86%
HSV	49°, 14%, 92%
XYZ	73.5030, 78.4833, 68.1619
YIQ	228.8300, 11.9220, -6.8140

Conversions

Conversions Part 2

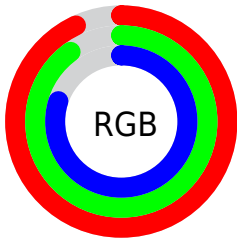
Format	Color
R _Y B	211, 236, 204
Decimal	15525580
CIE Lab	91.00, -2.26, 13.39
CIE LCh	91, 13.583, 99.594
Yxy	78.4833, 0.3339, 0.3565
Android (android.graphics.Color)	4293715660 (0xFFECE6CC)
YUV	228.8300, -12.2412, 6.2881
Hunter-Lab	88.5908, -6.9341, 16.3957

Details

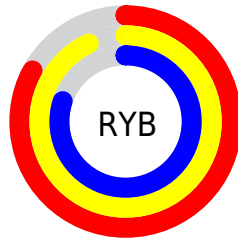
The CIELCh color **91, 13.583, 99.594** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 13.812, 282.837**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 13.698, 100.492** is the 20% darker color. If you saturate the color by 10%, you get **89, 23.657, 98.434**, and if you desaturate by 10%, it is **93, 3.558, 100.708**.

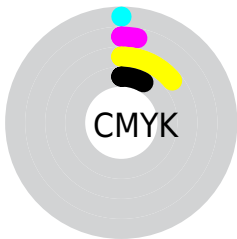
Distribution



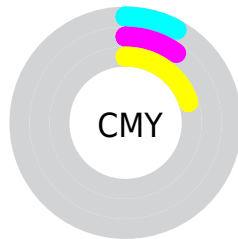
- Red (93%)
- Green (90%)
- Blue (80%)



- Red (83%)
- Yellow (93%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (14%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 13.583, 99.594 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, 13.583, 99.594 by changing the saturation by 10% instead.

■ 91, 13.583, 99.594

■ 91, 13.583, 99.594

■ 100, 13.583,
99.594

■ 81, 13.583, 99.594

■ 71, 13.583, 99.594

■ 61, 13.583, 99.594

■ 51, 13.583, 99.594

■ 41, 13.583, 99.594

■ 31, 13.583, 99.594

■ 21, 13.583, 99.594

■ 11, 13.583, 99.594

■ 1, 13.583, 99.594

91, 13.583, 99.594

91, 13.583, 99.594

89, 23.657, 98.434

93, 3.558, 100.708

88, 33.716, 97.236

94, 6.392, 281.884

86, 43.655, 96.019

96, 6.667, 268.810

85, 53.289, 94.791

97, 5.570, 244.668

84, 62.303, 93.555

98, 5.733, 216.402

82, 70.198, 92.307

99, 6.647, 199.084

81, 76.272, 91.025

80, 79.801, 89.656

79, 80.850, 88.718

Harmonies

Complementary

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



91, 13.583, 99.594



84, 13.812, 282.837

Rectangle

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



91, 13.583, 99.594



91, 13.583, 149.594



91, 13.583, 279.594



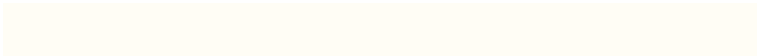
91, 13.583, 329.594

Sweetspot

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



91, 13.585, 99.603



99, 4.245, 100.664



85, 12.288, 4.527



53, 3.019, 100.586



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, 13.585, 99.603



97, 17.085, 99.315



92, 16.846, 121.023



48, 5.655, 100.071



62, 66.474, 88.990



18, 25.983, 91.430

Inverse Universe

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



84, 13.812, 282.837



89, 17.420, 283.183



84, 17.294, 302.634



46, 5.726, 282.299



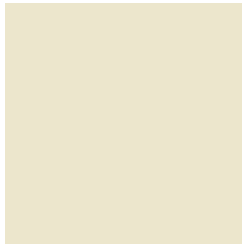
25, 91.609, 302.805



4, 31.128, 293.919

Previews

White Background



This preview shows how the CIELCh color 91, 13.583, 99.594 looks on a white background.

Color Contrast Check

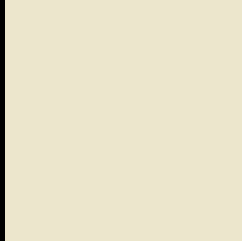
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 91, 13.583, 99.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

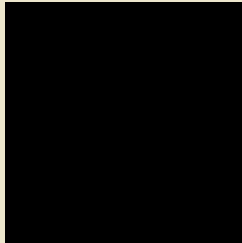
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

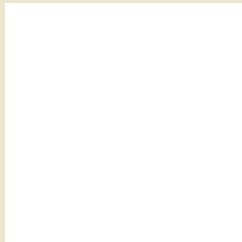
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 13.583, 99.594

Background



This preview shows how black text looks on a background with the CIELCh color 91, 13.583, 99.594.

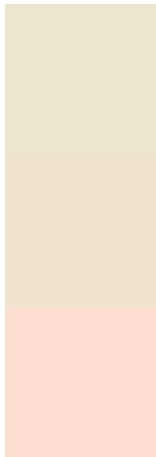


This preview shows how white text looks on a background with the CIELCh color 91, 13.583, 99.594.

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, 13.583, 99.594

Protanopia

91, 13.541, 91.392

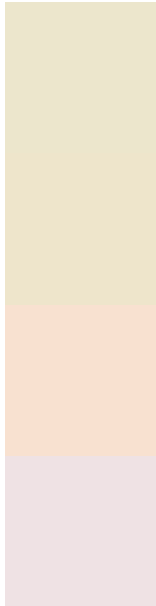
Deuteranopia

91, 13.866, 46.560



Tritanopia
91, 11.148, 323.305

Trichromacy



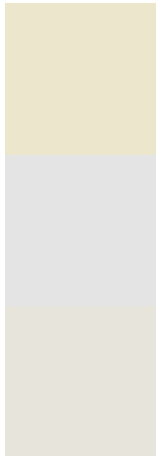
Original Color
91, 13.583, 99.594

Protanomaly
91, 13.822, 94.967

Deuteranomaly
91, 12.312, 65.090

Tritanomaly
91, 4.800, 7.188

Monochromacy



Original Color
91, 13.583, 99.594

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 5.207, 101.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 13.583, 99.594 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, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(236, 230, 204)  
}
```

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, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 230, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 13.583, 99.594 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, 230, 204) }
```

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

```
.border{ border-color:rgb(236, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(236, 230,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 13.583, 99.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 230, 204) }
```

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

```
.background{ background-color: rgb(236,  
230, 204) }
```

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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