

Converting Colors

CIELCh(91, 42.960, 106.653)

Have a look what the booklet for
CIELCh(91, 42.960, 106.653)
contains.

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Color

CIELCh(91, 43.118, 106.661)

Conversions

Conversions Part 1

Format	Color
Hex	EAEA95
RGB	234, 234, 149
RGB Percent	92%, 92%, 58%
CMY	0.0825, 0.0825, 0.4158
CMYK	0.00, 0.00, 0.36, 0.08
HSL	60°, 67%, 75%
HSV	60°, 36%, 92%
XYZ	68.7569, 78.4833, 39.9458
YIQ	224.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

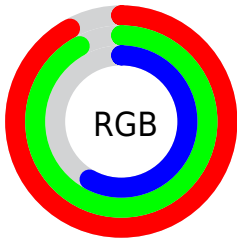
Format	Color
R _Y B	149, 234, 149
Decimal	15395477
CIE Lab	91.00, -12.36, 41.31
CIE LCh	91, 43.118, 106.661
Yxy	78.4833, 0.3673, 0.4193
Android (android.graphics.Color)	4293585557 (0xFFEAEA95)
YUV	224.3100, -37.1278, 8.4981
Hunter-Lab	88.5908, -16.4969, 35.2796

Details

The CIELCh color **91, 43.118, 106.661** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **65, 47.297, 294.945**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **71, 42.816, 106.459** is the 20% darker color. If you saturate the color by 10%, you get **91, 54.310, 105.745**, and if you desaturate by 10%, it is **91, 31.496, 107.622**.

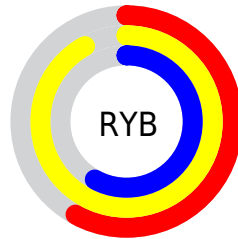
Distribution



Red (92%)

Green (92%)

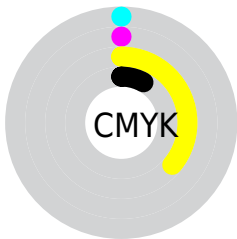
Blue (58%)



Red (58%)

Yellow (92%)

Blue (58%)

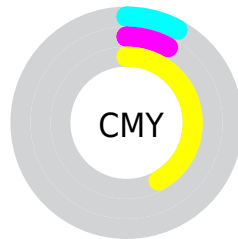


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 43.118, 106.661 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, 43.118, 106.661 by changing the saturation by 10% instead.


 91, 43.118,
106.661


 91, 43.118,
106.661


 100, 43.118,
106.661


 81, 43.118,
106.661

 71, 43.118,
106.661

 61, 43.118,
106.661

 51, 43.118,
106.661

 41, 43.118,
106.661

 31, 43.118,
106.661

 21, 43.118,

106.661

■ 11, 43.118,
106.661

■ 1, 43.118, 106.661

■ 91, 43.118,
106.661

■ 91, 43.118,
106.661

■ 91, 54.310,
105.745

■ 91, 31.496,
107.622

■ 90, 64.785,
104.894

■ 92, 19.624,
108.595

■ 90, 74.132,
104.147

■ 92, 7.620, 109.563

■ 90, 81.808,
103.545

■ 93, 4.440, 290.547

■ 93, 10.856,
291.039

■ 90, 87.248,
103.127

■ 93, 10.856,
291.043

■ 90, 90.140,
102.907

■ 93, 10.856,
291.047

■ 90, 90.802,
102.858

■ 93, 10.856,
291.051

■ 93, 10.856,
291.054

Harmonies

Complementary

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



91, 43.118, 106.661



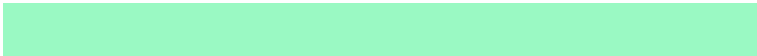
65, 47.297, 294.945

Rectangle

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



91, 43.118, 106.661



91, 43.118, 156.661



91, 43.118, 286.661



91, 43.118, 336.661

Sweetspot

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



91, 43.120, 106.664



99, 14.193, 109.109



70, 34.693, 22.782



53, 9.534, 108.976



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, 43.120, 106.664



98, 55.478, 105.936



88, 46.404, 127.357



49, 6.852, 109.262



71, 74.937, 102.857



21, 30.656, 103.469

Inverse Universe

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



65, 47.297, 294.945



64, 62.475, 296.385



68, 48.888, 310.884



45, 7.006, 291.168



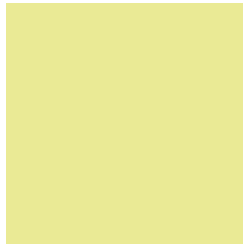
21, 103.474, 306.287



2, 35.735, 297.753

Previews

White Background



This preview shows how the CIE LCh color 91, 43.118, 106.661 looks on a white background.

Color Contrast Check

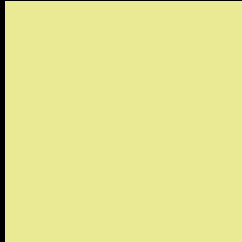
Large Text (above 18pt) WCAG AA × Fail

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, 43.118, 106.661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

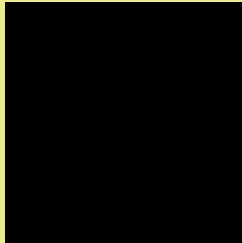
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 43.118, 106.661

Background



This preview shows how black text looks on a background with the CIELCh color 91, 43.118, 106.661.

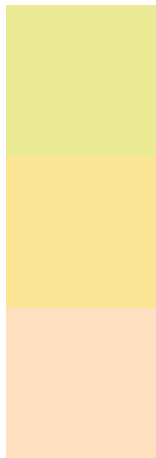


This preview shows how white text looks on a background with the CIELCh color 91, 43.118, 106.661.

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, 43.118, 106.661

Protanopia

91, 42.627, 95.765

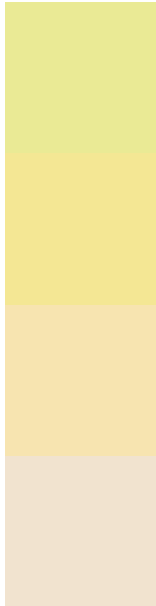
Deuteranopia

91, 20.479, 73.150



Tritanopia
91, 11.817, 332.044

Trichromacy



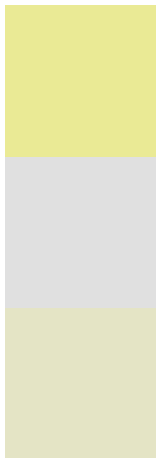
Original Color
91, 43.118, 106.661

Protanomaly
91, 42.571, 99.632

Deuteranomaly
91, 27.799, 92.451

Tritanomaly
91, 11.569, 82.493

Monochromacy



Original Color
91, 43.118, 106.661

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 16.012, 108.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 43.118, 106.661 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(234, 234, 149)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 149)  
}
```

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(234, 234, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 43.118, 106.661 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(234, 234, 149) }
```

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

```
.border{ border-color:rgb(234, 234, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 149);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 43.118, 106.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 149) }
```

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

```
.background{ background-color: rgb(234,  
234, 149) }
```

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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