

Converting Colors

CIELCh(91, 42.696, 106.747)

Have a look what the booklet for
CIELCh(91, 42.696, 106.747)
contains.

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Color

CIELCh(91, 42.628, 106.701)

Conversions

Conversions Part 1

Format	Color
Hex	EAEA96
RGB	234, 234, 150
RGB Percent	92%, 92%, 59%
CMY	0.0826, 0.0826, 0.4120
CMYK	0.00, 0.00, 0.36, 0.08
HSL	60°, 67%, 75%
HSV	60°, 36%, 92%
XYZ	68.8084, 78.4833, 40.3472
YIQ	224.4240, 26.9640, -26.1240

Conversions

Conversions Part 2

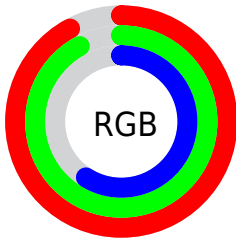
Format	Color
RYB	150, 234, 150
Decimal	15395478
CIELab	91.00, -12.25, 40.83
CIELCh	91, 42.628, 106.701
Yxy	78.4833, 0.3667, 0.4183
Android (android.graphics.Color)	4293585558 (0xFFEAEA96)
YUV	224.4240, -36.6910, 8.3982
Hunter-Lab	88.5908, -16.3932, 35.0109

Details

The CIELCh color **91, 42.628, 106.701** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **65, 46.698, 294.872**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 25.235, 108.263**, and **71, 42.321, 106.515** is the 20% darker color. If you saturate the color by 10%, you get **91, 53.841, 105.783**, and if you desaturate by 10%, it is **91, 30.994, 107.663**.

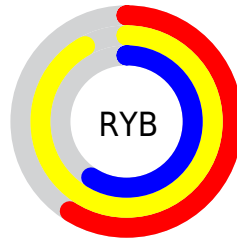
Distribution



Red (92%)

Green (92%)

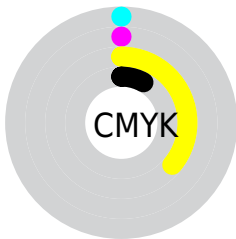
Blue (59%)



Red (59%)

Yellow (92%)

Blue (59%)

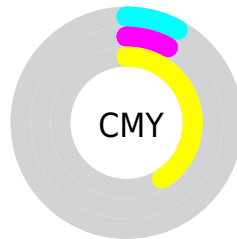


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 42.628, 106.701 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, 42.628, 106.701 by changing the saturation by 10% instead.


 91, 42.628,
106.701


 91, 42.628,
106.701


 100, 42.628,
106.701


 81, 42.628,
106.701

 71, 42.628,
106.701

 61, 42.628,
106.701

 51, 42.628,
106.701

 41, 42.628,
106.701

 31, 42.628,
106.701

 21, 42.628,

106.701

■ 11, 42.628,
106.701

■ 1, 42.628, 106.701

■ 91, 42.628,
106.701

■ 91, 42.628,
106.701

■ 91, 53.841,
105.783

■ 91, 30.994,
107.663

■ 90, 64.352,
104.928

■ 92, 19.116,
108.637

■ 90, 73.756,
104.176

■ 92, 7.110, 109.603

■ 90, 81.514,
103.568

■ 93, 4.949, 290.586

■ 93, 10.878,
291.041

■ 90, 87.058,
103.141

■ 93, 10.878,
291.045

■ 90, 90.052,
102.913

■ 93, 10.878,
291.049

■ 90, 90.790,
102.858

■ 93, 10.878,
291.053

■ 93, 10.878,
291.057

Harmonies

Complementary

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



91, 42.628, 106.701



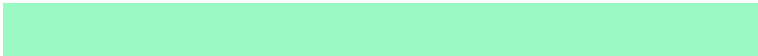
65, 46.698, 294.872

Rectangle

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



91, 42.628, 106.701



91, 42.628, 156.701



91, 42.628, 286.701



91, 42.628, 336.701

Sweetspot

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



91, 42.630, 106.704



99, 14.193, 109.109



71, 34.234, 22.721



53, 9.534, 108.977



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, 42.630, 106.704



98, 54.292, 106.027



88, 45.870, 127.377



49, 6.852, 109.262



71, 74.937, 102.858



21, 30.656, 103.469

Inverse Universe

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



65, 46.698, 294.872



65, 60.924, 296.193



69, 48.293, 310.860



45, 7.006, 291.168



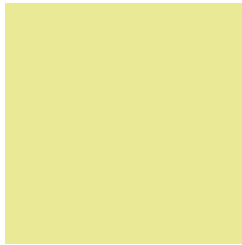
21, 103.474, 306.287



2, 35.735, 297.753

Previews

White Background



This preview shows how the CIELCh color 91, 42.628, 106.701 looks on a white background.

Color Contrast Check

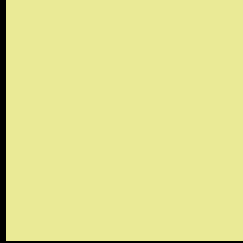
Large Text (above 18pt) WCAG AA × Fail

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, 42.628, 106.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

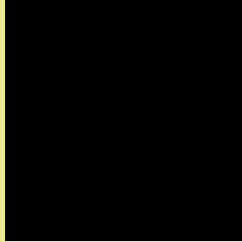
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 42.628, 106.701

Background



This preview shows how black text looks on a background with the CIELCh color 91, 42.628, 106.701.

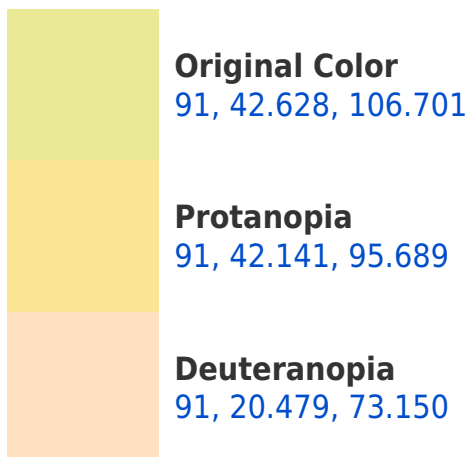


This preview shows how white text looks on a background with the CIELCh color 91, 42.628, 106.701.

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](#).

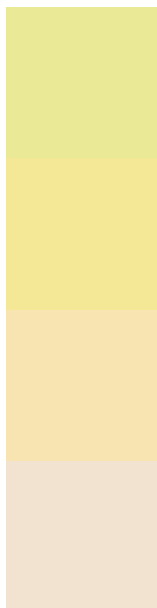
Dichromacy





Tritanopia
91, 11.817, 332.044

Trichromacy



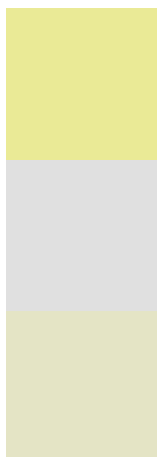
Original Color
91, 42.628, 106.701

Protanomaly
91, 42.082, 99.598

Deuteranomaly
91, 27.305, 92.227

Tritanomaly
91, 11.569, 82.493

Monochromacy



Original Color
91, 42.628, 106.701

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, 42.628, 106.701 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 42.628, 106.701 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, 150) }
```

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

```
.border{ border-color:rgb(234, 234, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 234, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 234, 150); box-shadow:4px 4px 4px 4px rgb(234, 234, 150) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 42.628, 106.701 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, 150) }
```

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

```
.background{ background-color: rgb(234,  
234, 150) }
```

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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