

Converting Colors

CIELCh(91, 48.570, 102.853)

Have a look what the booklet for
CIELCh(91, 48.570, 102.853)
contains.

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Color

CIELCh(91, 48.570, 102.853)

Conversions

Conversions Part 1

Format	Color
Hex	F0E989
RGB	240, 233, 137
RGB Percent	94%, 91%, 54%
CMY	0.0595, 0.0869, 0.4633
CMYK	0.00, 0.03, 0.43, 0.06
HSL	56°, 77%, 74%
HSV	56°, 43%, 94%
XYZ	69.4753, 78.4833, 35.0966
YIQ	224.1490, 34.9880, -28.3720

Conversions

Conversions Part 2

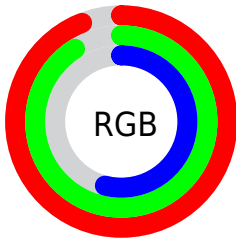
Format	Color
R_{YB}	145, 240, 137
Decimal	15788425
CIE _{Lab}	91.00, -10.80, 47.35
CIE _{LCh}	91, 48.570, 102.853
Yxy	78.4833, 0.3795, 0.4287
Android (android.graphics.Color)	4293978505 (0xFFFF0E989)
YUV	224.1490, -42.9645, 13.9013
Hunter-Lab	88.5908, -15.0493, 38.5249

Details

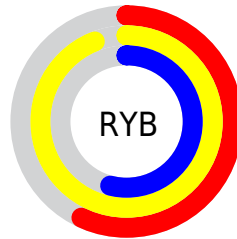
The CIELCh color **91, 48.570, 102.853** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **63, 53.631, 293.548**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 31.717, 107.764**, and **71, 48.663, 103.256** is the 20% darker color. If you saturate the color by 10%, you get **90, 59.074, 101.853**, and if you desaturate by 10%, it is **92, 37.561, 103.891**.

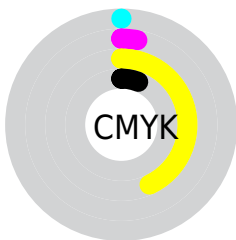
Distribution



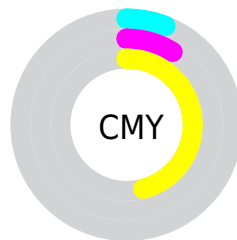
- Red (94%)
- Green (91%)
- Blue (54%)



- Red (57%)
- Yellow (94%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (6%)





- Cyan (6%)
- Magenta (9%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 48.570, 102.853 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, 48.570, 102.853 by changing the saturation by 10% instead.


 91, 48.570,
102.853


 91, 48.570,
102.853


 100, 48.570,
102.853


 81, 48.570,
102.853

 71, 48.570,
102.853

 61, 48.570,
102.853

 51, 48.570,
102.853

 41, 48.570,
102.853

 31, 48.570,
102.853

 21, 48.570,

102.853

■ 11, 48.570,
102.853

■ 1, 48.570, 102.853

■ 91, 48.570,
102.853

■ 91, 48.570,
102.853

■ 90, 59.074,
101.853

■ 92, 37.561,
103.891

■ 90, 68.712,
100.907

■ 93, 26.271,
104.938

■ 89, 76.967,
100.044

■ 93, 14.842,
105.979

■ 89, 83.197, 99.289

■ 94, 3.364, 106.982

■ 88, 86.842, 98.654

■ 95, 7.207, 287.600

■ 88, 88.025, 98.262

■ 96, 6.416, 282.120

■ 96, 5.699, 275.200

■ 97, 5.087, 266.483

■ 97, 4.622, 255.735

Harmonies

Complementary

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



91, 48.570, 102.853



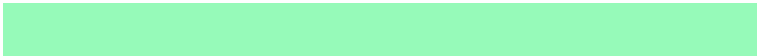
63, 53.631, 293.548

Rectangle

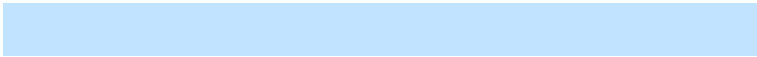
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 48.570, 102.853



91, 48.570, 152.853



91, 48.570, 282.853



91, 48.570, 332.853

Sweetspot

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



91, 48.571, 102.856



99, 15.672, 105.969



68, 42.035, 17.668



52, 10.965, 105.739



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

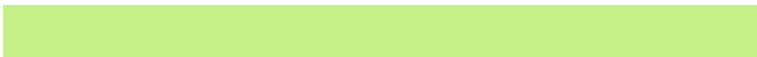
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 48.571, 102.856



95, 61.063, 101.928



90, 54.499, 123.967



50, 6.515, 106.335



69, 72.103, 98.343



21, 30.130, 99.473

Inverse Universe

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



63, 53.631, 293.548



60, 69.562, 295.501



65, 58.800, 308.619



46, 6.642, 288.351



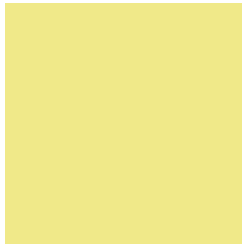
23, 101.462, 305.457



3, 36.025, 297.547

Previews

White Background



This preview shows how the CIELCh color 91, 48.570, 102.853 looks on a white background.

Color Contrast Check

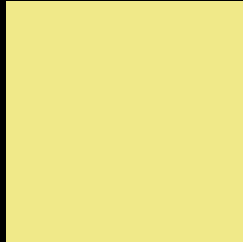
Large Text (above 18pt) WCAG AA × Fail

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, 48.570, 102.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

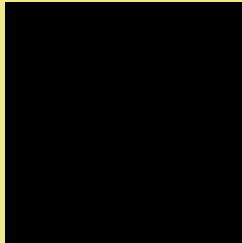
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 48.570, 102.853

Background



This preview shows how black text looks on a background with the CIELCh color 91, 48.570, 102.853.

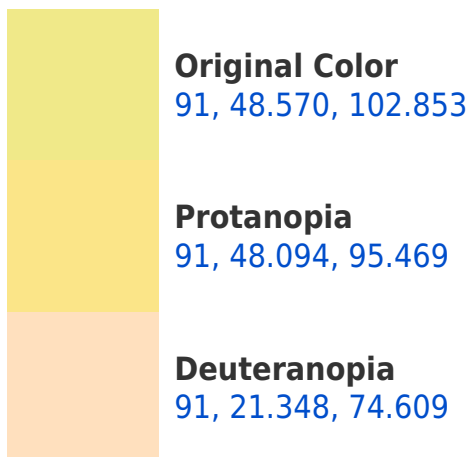


This preview shows how white text looks on a background with the CIELCh color 91, 48.570, 102.853.

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](#).

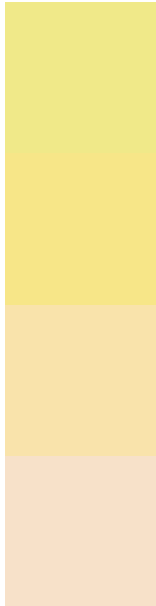
Dichromacy





Tritanopia
91, 13.897, 341.148

Trichromacy



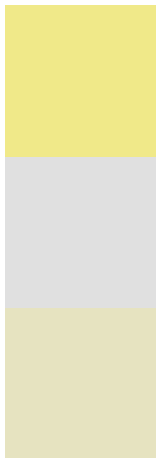
Original Color
91, 48.570, 102.853

Protanomaly
91, 48.163, 97.949

Deuteranomaly
91, 30.139, 91.053

Tritanomaly
91, 14.958, 75.360

Monochromacy



Original Color
91, 48.570, 102.853

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 18.112, 105.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 48.570, 102.853 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(240, 233, 137)` looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 137)  
}
```

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(240, 233, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 48.570, 102.853 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(240, 233, 137) }
```

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

```
.border{ border-color:rgb(240, 233, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 233, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 137);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 48.570, 102.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 137) }
```

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

```
.background{ background-color: rgb(240,  
233, 137) }
```

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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