

Converting Colors

CIELCh(91, 48.200, 92.474)

Have a look what the booklet for
CIELCh(91, 48.200, 92.474) contains.

CIELCh(91, 48.127, 92.980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(91, 48.127, 92.980)

Conversions

Conversions Part 1

Format	Color
Hex	FFE488
RGB	255, 228, 136
RGB Percent	100%, 89%, 53%
CMY	0.0002, 0.1061, 0.4668
CMYK	0.00, 0.11, 0.47, 0.00
HSL	46°, 100%, 77%
HSV	46°, 47%, 100%
XYZ	73.3886, 78.4833, 34.5551
YIQ	225.5850, 45.6240, -22.8880

Conversions

Conversions Part 2

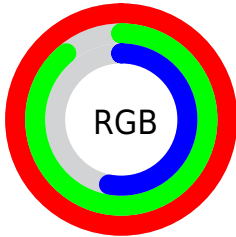
Format	Color
R_{YB}	171, 255, 136
Decimal	16770184
CIE _{Lab}	91.00, -2.50, 48.06
CIE _{LCh}	91, 48.127, 92.980
Yxy	78.4833, 0.3937, 0.4210
Android (android.graphics.Color)	4294960264 (0xFFFFE488)
YUV	225.5850, -44.1654, 25.7970
Hunter-Lab	88.5908, -7.1646, 38.8873

Details

The CIELCh color **91, 48.127, 92.980** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 50.772, 286.607**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 32.214, 107.726**, and **71, 48.095, 93.218** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.062, 91.672**, and if you desaturate by 10%, it is **93, 37.860, 94.272**.

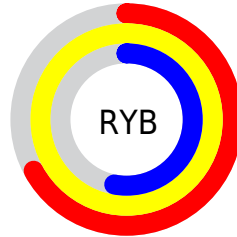
Distribution



Red (100%)

Green (89%)

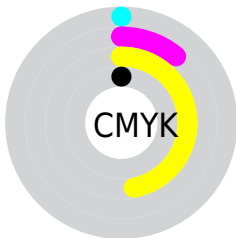
Blue (53%)



Red (67%)

Yellow (100%)

Blue (53%)

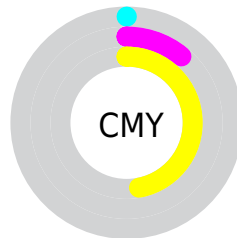


Cyan (0%)

Magenta (11%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 48.127, 92.980 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, 48.127, 92.980 by changing the saturation by 10% instead.

 91, 48.127, 92.980

 91, 48.127, 92.980

 100, 48.127,
92.980

 81, 48.127, 92.980

 71, 48.127, 92.980

 61, 48.127, 92.980

 51, 48.127, 92.980

 41, 48.127, 92.980

 31, 48.127, 92.980

 21, 48.127, 92.980

 11, 48.127, 92.980

 1, 48.127, 92.980

■ 91, 48.127, 92.980

■ 91, 48.127, 92.980

■ 89, 58.062, 91.672

■ 93, 37.860, 94.272

■ 88, 67.285, 90.329

■ 95, 27.479, 95.533

■ 86, 75.192, 88.931

■ 97, 17.105, 96.761

■ 84, 80.955, 87.422

■ 99, 6.805, 97.939

■ 83, 83.826, 85.710

100, 0.022,
231.678

■ 83, 84.355, 85.106

Harmonies

Complementary

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



91, 48.127, 92.980



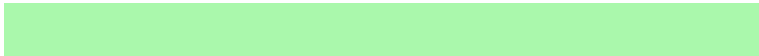
68, 50.772, 286.607

Rectangle

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



91, 48.127, 92.980



91, 48.127, 142.980



91, 48.127, 272.980



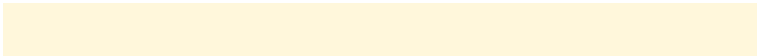
91, 48.127, 322.980

Sweetspot

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



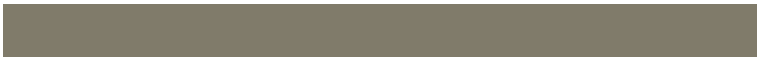
91, 48.128, 92.984



97, 14.345, 97.082



71, 48.258, 7.073



51, 9.915, 96.823



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

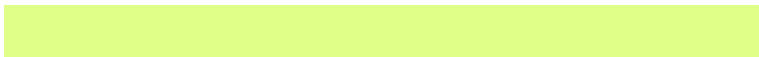
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 48.128, 92.984



89, 57.421, 91.761



96, 60.039, 117.720



52, 5.810, 97.614



64, 68.054, 85.460



21, 29.905, 87.745

Inverse Universe

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



68, 50.772, 286.607



62, 61.854, 288.953



64, 66.859, 304.347



50, 5.866, 279.937



28, 91.635, 301.575



6, 36.617, 296.750

Previews

White Background



This preview shows how the CIE LCh color 91, 48.127, 92.980 looks on a white background.

Color Contrast Check

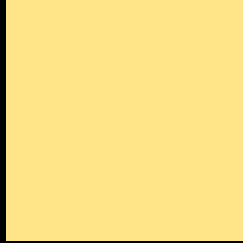
Large Text (above 18pt) WCAG AA × Fail

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, 48.127, 92.980 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, 48.127, 92.980

Background



This preview shows how black text looks on a background with the CIELCh color 91, 48.127, 92.980.

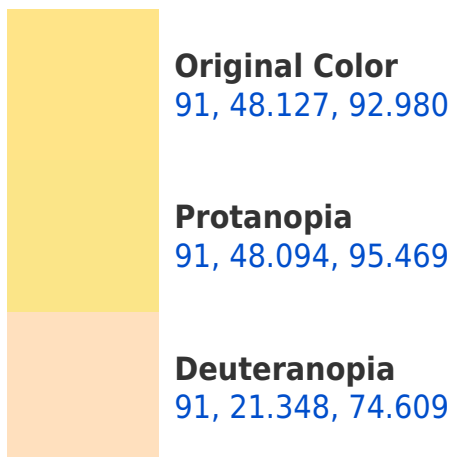


This preview shows how white text looks on a background with the CIELCh color 91, 48.127, 92.980.

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](#).

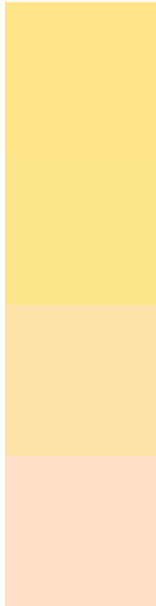
Dichromacy





Tritanopia
91, 14.095, 354.359

Trichromacy



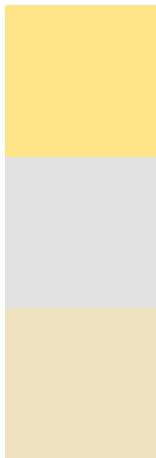
Original Color
91, 48.127, 92.980

Protanomaly
91, 48.181, 94.988

Deuteranomaly
91, 30.842, 85.132

Tritanomaly
91, 18.254, 66.975

Monochromacy



Original Color
91, 48.127, 92.980

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 17.960, 96.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 48.127, 92.980 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(255, 228, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 136)  
}
```

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(255, 228, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 48.127, 92.980 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(255, 228, 136) }
```

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

```
.border{ border-color:rgb(255, 228, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 136); box-shadow:4px 4px 4px 4px rgb(255, 228, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 48.127, 92.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 136) }
```

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

```
.background{ background-color: rgb(255,  
228, 136) }
```

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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