

# Converting Colors

CIELCh(91, 47.940, 131.393)

Have a look what the booklet for  
CIELCh(91, 47.940, 131.393)  
contains.

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**Color**

**CIELCh(91, 47.671, 131.628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF49F
RGB	191, 244, 159
RGB Percent	75%, 96%, 62%
CMY	0.2500, 0.0421, 0.3755
CMYK	0.22, 0.00, 0.35, 0.04
HSL	97°, 80%, 79%
HSV	97°, 35%, 96%
XYZ	60.2612, 78.4833, 44.8865
YIQ	218.4630, -4.3030, -37.6710

# Conversions

## Conversions Part 2

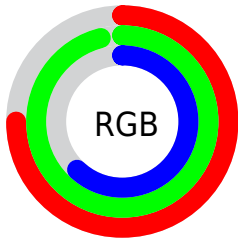
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 244, 212
Decimal	12579999
CIELab	91.00, -31.67, 35.63
CIELCh	91, 47.671, 131.628
Yxy	78.4833, 0.3282, 0.4274
Android (android.graphics.Color)	4290770079 (0xFFBFF49F)
YUV	218.4630, -29.3153, -24.0851
Hunter-Lab	88.5908, -33.6148, 31.9729

# Details

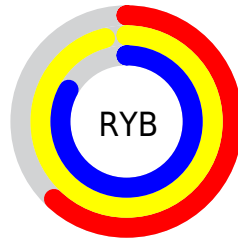
The CIELCh color **91, 47.671, 131.628** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **73, 49.370, 314.801**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 20.908, 115.699**, and **71, 47.724, 131.825** is the 20% darker color. If you saturate the color by 10%, you get **90, 60.923, 131.123**, and if you desaturate by 10%, it is **92, 34.071, 132.139**.

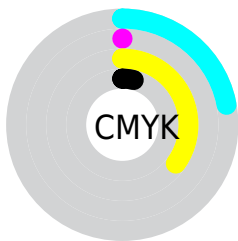
# Distribution



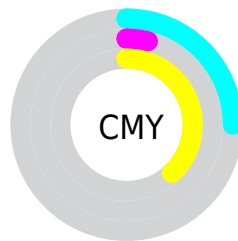
- Red (75%)
- Green (96%)
- Blue (62%)



- Red (62%)
- Yellow (96%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (4%)



- Cyan (25%)
- Magenta (4%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 47.671, 131.628 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, 47.671, 131.628 by changing the saturation by 10% instead.



■ 91, 47.671,  
131.628

■ 91, 47.671,  
131.628

■ 100, 47.671,  
131.628

■ 81, 47.671,  
131.628

■ 71, 47.671,  
131.628

■ 61, 47.671,  
131.628


■ 51, 47.671,  
131.628

■ 41, 47.671,  
131.628


■ 31, 47.671,  
131.628

■ 21, 47.671,


131.628


 11, 47.671,  
131.628

 1, 47.671, 131.628

 91, 47.671,  
131.628


 91, 47.671,  
131.628

 90, 60.923,  
131.123


 92, 34.071,  
132.139

 89, 73.532,  
130.666

 94, 20.321,  
132.627

 88, 85.093,  
130.338

 95, 6.569, 133.092

 87, 95.070,  
130.249

 97, 6.177, 317.047

 97, 6.682, 324.628

■ 86, 102.862,  
130.534

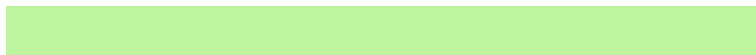
■ 86, 108.043,  
131.289

■ 86, 109.904,  
131.800

# Harmonies

# Complementary

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



91, 47.671, 131.628



73, 49.370, 314.801

# Rectangle

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



91, 47.671, 131.628



91, 47.671, 181.628



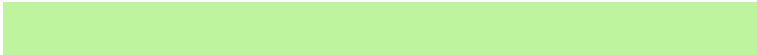
91, 47.671, 311.628



91, 47.671, 1.628

# Sweetspot

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



91, 47.673, 131.629



98, 14.191, 132.850



86, 30.443, 82.298



52, 9.687, 132.785



0, 0.000, 0.000



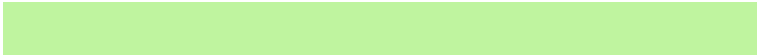
53, 0.007, 296.813



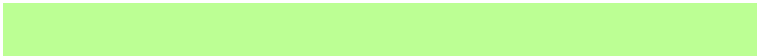


# Same Dimension

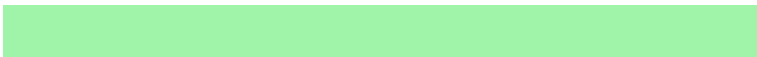
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 47.673, 131.629



94, 59.281, 131.257



89, 49.421, 145.115



50, 7.801, 132.875



67, 89.375, 131.554



21, 37.822, 130.563



# Inverse Universe

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



73, 49.370, 314.801



71, 61.859, 315.125



76, 49.445, 329.861



48, 7.882, 313.647



32, 95.957, 315.060

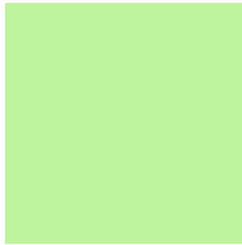


6, 41.653, 316.206



# Previews

## White Background



This preview shows how the CIELCh color 91, 47.671, 131.628 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, 47.671, 131.628 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, 47.671, 131.628**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 91, 47.671, 131.628.

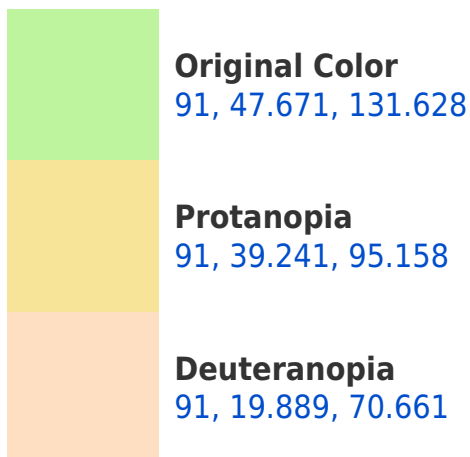


This preview shows how white text looks on a background with the CIELCh color 91, 47.671, 131.628.

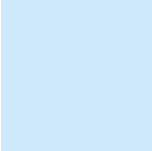
# Color Blindness Simulation

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





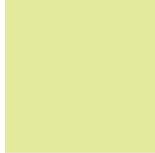


**Tritanopia**  
91, 12.778, 246.133

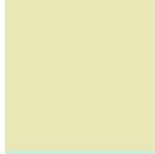
# Trichromacy



**Original Color**  
91, 47.671, 131.628



**Protanomaly**  
91, 40.277, 110.841



**Deuteranomaly**  
91, 25.690, 107.217

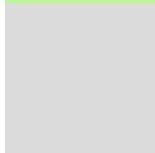


**Tritanomaly**  
91, 16.194, 160.924

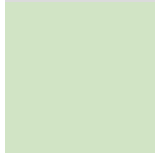
# Monochromacy



**Original Color**  
91, 47.671, 131.628



**Achromatopsia**  
87, 0.010, 296.813



**Achromatomaly**  
88, 17.591, 132.335

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 47.671, 131.628 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(191, 244, 159)` looks like.

```
.text, #text, p{  
    color:rgb(191, 244, 159)  
}
```

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(191, 244, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 244, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 47.671, 131.628 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(191, 244, 159) }
```

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

```
.border{ border-color:rgb(191, 244, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 244, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 244, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 244, 159); box-shadow:4px 4px 4px 4px rgb(191, 244, 159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 47.671, 131.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 244, 159) }
```

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

```
.background{ background-color: rgb(191,  
244, 159) }
```

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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