

# Converting Colors

CIELCh(91, 27.419, 91.441)

Have a look what the booklet for  
CIELCh(91, 27.419, 91.441) contains.

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# Color

**CIELCh(91, 27.420, 91.435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E4B1
RGB	248, 228, 177
RGB Percent	97%, 89%, 69%
CMY	0.0281, 0.1065, 0.3065
CMYK	0.00, 0.08, 0.29, 0.03
HSL	43°, 83%, 83%
HSV	43°, 29%, 97%
XYZ	74.2633, 78.4833, 52.7425
YIQ	228.1660, 28.2910, -11.6210

# Conversions

## Conversions Part 2

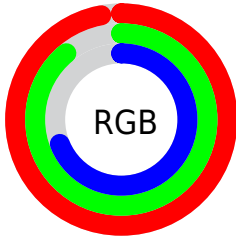
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 248, 177
Decimal	16311473
CIE <sub>Lab</sub>	91.00, -0.69, 27.41
CIE <sub>LCh</sub>	91, 27.420, 91.435
Yxy	78.4833, 0.3614, 0.3819
Android (android.graphics.Color)	4294501553 (0xFFFF8E4B1)
YUV	228.1660, -25.2248, 17.3944
Hunter-Lab	88.5908, -5.4021, 26.7153

# Details

The CIELCh color **91, 27.420, 91.435** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 27.723, 279.335**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 11.136, 109.335**, and **71, 27.581, 91.618** is the 20% darker color. If you saturate the color by 10%, you get **89, 37.186, 90.112**, and if you desaturate by 10%, it is **93, 17.724, 92.730**.

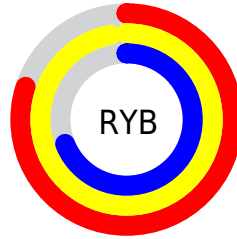
# Distribution



Red (97%)

Green (89%)

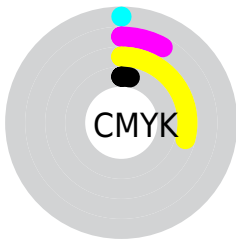
Blue (69%)



Red (80%)

Yellow (97%)

Blue (69%)

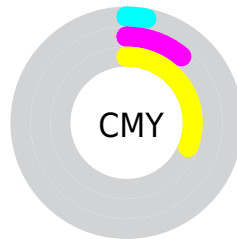


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (3%)



Cyan (3%)

Magenta (11%)

Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 27.420, 91.435 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, 27.420, 91.435 by changing the saturation by 10% instead.



 91, 27.420, 91.435

 91, 27.420, 91.435

 100, 27.420,  
91.435

 81, 27.420, 91.435

 71, 27.420, 91.435

 61, 27.420, 91.435

 51, 27.420, 91.435

 41, 27.420, 91.435

 31, 27.420, 91.435

 21, 27.420, 91.435

 11, 27.420, 91.435

 1, 27.420, 91.435

91, 27.420, 91.435

91, 27.420, 91.435

89, 37.186, 90.112

93, 17.724, 92.730

87, 46.907, 88.747

96, 8.149, 93.967

85, 56.374, 87.338

98, 1.280, 275.395

83, 65.212, 85.866

99, 2.487, 199.514

81, 72.799, 84.278

79, 78.270, 82.473

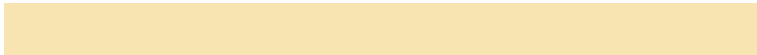
77, 80.984, 80.324

77, 81.263, 80.023

# Harmonies

# Complementary

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



91, 27.420, 91.435



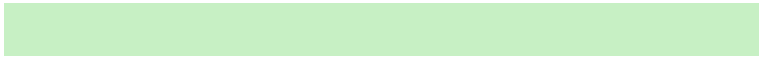
80, 27.723, 279.335

# Rectangle

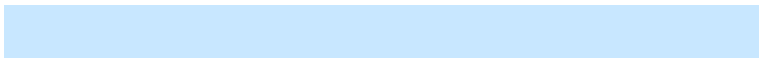
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 27.420, 91.435



91, 27.420, 141.435



91, 27.420, 271.435



91, 27.420, 321.435

# Sweetspot

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



91, 27.421, 91.441



98, 8.686, 93.923



79, 28.696, 0.308



52, 6.044, 93.747



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, 27.421, 91.441



92, 33.413, 90.727



95, 36.383, 116.711



51, 5.399, 93.864



60, 66.285, 80.464



19, 27.739, 83.159





# Inverse Universe

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



80, 27.723, 279.335



78, 33.888, 280.381



76, 38.763, 300.937



49, 5.426, 276.286



30, 84.418, 299.283

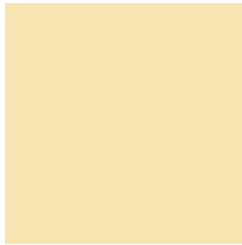


7, 32.921, 293.945



# Previews

## White Background



This preview shows how the CIELCh color 91, 27.420, 91.435 looks on a white background.

## Color Contrast Check

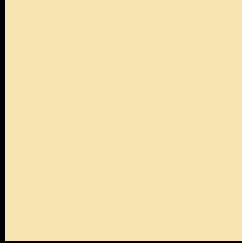
Large Text (above 18pt) WCAG AA × Fail

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, 27.420, 91.435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

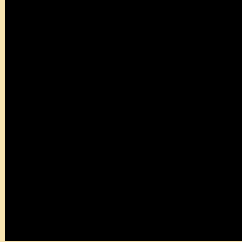
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 91, 27.420, 91.435

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 27.420, 91.435.

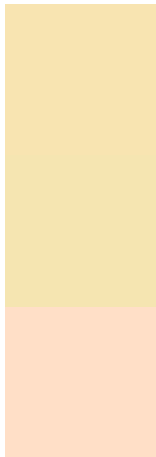


This preview shows how white text looks on a background with the CIELCh color 91, 27.420, 91.435.

# 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, 27.420, 91.435

### Protanopia

91, 27.473, 94.837

### Deuteranopia

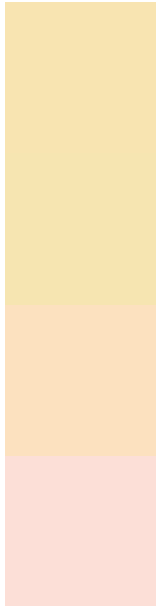
91, 17.470, 64.866



**Tritanopia**  
91, 15.341, 345.597



# Trichromacy



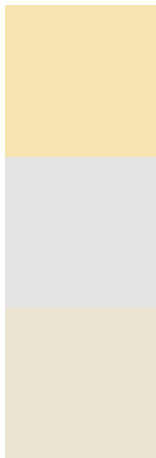
**Original Color**  
91, 27.420, 91.435

**Protanomaly**  
91, 27.568, 94.041

**Deuteranomaly**  
91, 20.468, 78.207

**Tritanomaly**  
91, 11.535, 40.961

# Monochromacy



**Original Color**  
91, 27.420, 91.435

**Achromatopsia**  
91, 0.011, 296.813

**Achromatomaly**  
91, 10.139, 94.564

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 27.420, 91.435 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(248, 228, 177)` looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 177)  
}
```

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(248, 228, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 27.420, 91.435 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(248, 228, 177) }
```

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

```
.border{ border-color:rgb(248, 228, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 228, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 228, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 228, 177); box-shadow:4px 4px 4px 4px rgb(248, 228, 177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 27.420, 91.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 177) }
```

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

```
.background{ background-color: rgb(248,  
228, 177) }
```

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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