

Converting Colors

CIELCh(91, 23.112, 109.245)

Have a look what the booklet for
CIELCh(91, 23.112, 109.245)
contains.

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Color

CIELCh(91, 23.130, 109.237)

Conversions

Conversions Part 1

Format	Color
Hex	E7E8BB
RGB	231, 232, 187
RGB Percent	91%, 91%, 73%
CMY	0.0931, 0.0892, 0.2657
CMYK	0.00, 0.00, 0.19, 0.09
HSL	61°, 50%, 82%
HSV	61°, 19%, 91%
XYZ	70.9590, 78.4833, 58.5580
YIQ	226.5710, 13.8490, -14.2070

Conversions

Conversions Part 2

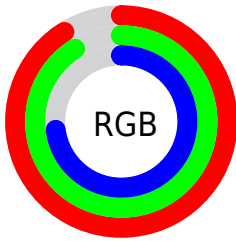
Format	Color
RYB	187, 232, 188
Decimal	15198395
CIELab	91.00, -7.62, 21.84
CIELCh	91, 23.130, 109.237
Yxy	78.4833, 0.3411, 0.3773
Android (android.graphics.Color)	4293388475 (0xFFE7E8BB)
YUV	226.5710, -19.5085, 3.8842
Hunter-Lab	88.5908, -12.0599, 22.8232

Details

The CIELCh color **91, 23.130, 109.237** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 24.196, 293.158**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **71, 22.690, 108.926** is the 20% darker color. If you saturate the color by 10%, you get **91, 34.874, 108.305**, and if you desaturate by 10%, it is **92, 11.227, 110.179**.

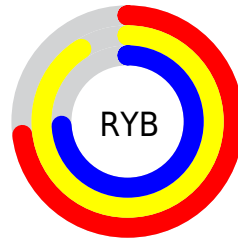
Distribution



Red (91%)

Green (91%)

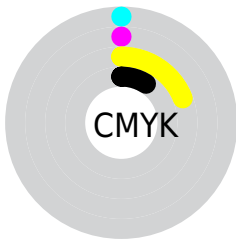
Blue (73%)



Red (73%)

Yellow (91%)

Blue (74%)

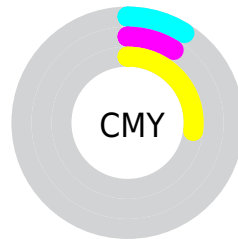


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 23.130, 109.237 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, 23.130, 109.237 by changing the saturation by 10% instead.


 91, 23.130,
109.237


 91, 23.130,
109.237


 100, 23.130,
109.237


 81, 23.130,
109.237

 71, 23.130,
109.237

 61, 23.130,
109.237

 51, 23.130,
109.237

 41, 23.130,
109.237

 31, 23.130,
109.237

 21, 23.130,

109.237

■ 11, 23.130,
109.237

■ 1, 23.130, 109.237

■ 91, 23.130,
109.237

■ 91, 23.130,
109.237

■ 91, 34.874,
108.305

■ 92, 11.227,
110.179

■ 90, 46.321,
107.391

■ 92, 0.754, 291.196

■ 90, 57.264,
106.525

■ 93, 11.763,
292.021

■ 90, 67.388,
105.741

■ 93, 11.769,
292.880

■ 93, 11.779,

■ 89, 76.243,
105.082

293.739

■ 89, 83.265,
104.594

■ 93, 11.791,
294.598

■ 89, 87.930,
104.320

■ 93, 11.805,
295.455

■ 89, 90.228,
104.255

■ 93, 11.822,
296.311

■ 89, 90.341,
104.253

■ 93, 11.842,
297.165

Harmonies

Complementary

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



91, 23.130, 109.237



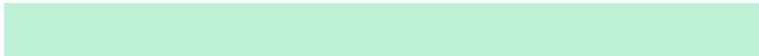
77, 24.196, 293.158

Rectangle

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



91, 23.130, 109.237



91, 23.130, 159.237



91, 23.130, 289.237



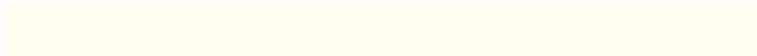
91, 23.130, 339.237

Sweetspot

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



91, 23.132, 109.242



100, 7.747, 110.489



80, 16.985, 22.080



53, 5.139, 110.429



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, 23.132, 109.242



99, 29.561, 108.891



89, 24.843, 128.775



49, 6.854, 110.171



71, 74.972, 104.231



21, 30.652, 104.708

Inverse Universe

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



77, 24.196, 293.158



81, 31.217, 293.645



79, 25.487, 310.540



45, 7.009, 292.004



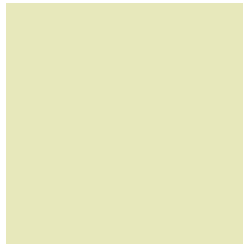
21, 103.360, 306.355



2, 35.779, 298.279

Previews

White Background



This preview shows how the CIE LCh color 91, 23.130, 109.237 looks on a white background.

Color Contrast Check

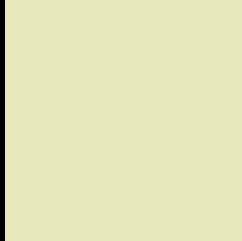
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 91, 23.130, 109.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

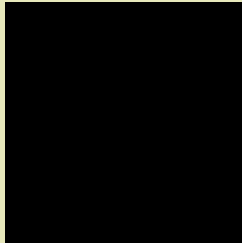
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

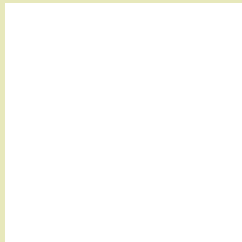
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 23.130, 109.237

Background



This preview shows how black text looks on a background with the CIELCh color 91, 23.130, 109.237.

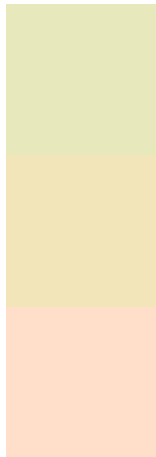


This preview shows how white text looks on a background with the CIELCh color 91, 23.130, 109.237.

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, 23.130, 109.237

Protanopia

91, 22.796, 94.675

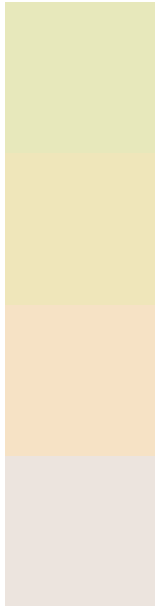
Deuteranopia

91, 16.348, 61.314



Tritanopia
91, 10.152, 319.803

Trichromacy



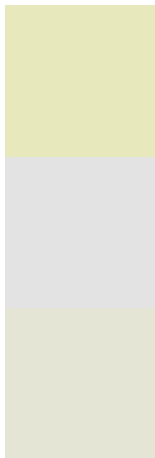
Original Color
91, 23.130, 109.237

Protanomaly
91, 22.900, 99.641

Deuteranomaly
91, 16.818, 82.064

Tritanomaly
91, 4.224, 66.550

Monochromacy



Original Color
91, 23.130, 109.237

Achromatopsia
90, 0.011, 296.813

Achromatomaly
91, 8.266, 109.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 23.130, 109.237 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(231, 232, 187)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 187)  
}
```

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(231, 232, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 23.130, 109.237 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(231, 232, 187) }
```

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

```
.border{ border-color:rgb(231, 232, 187) }
```

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

Here you see how a box with a 4 pixel rgb(231, 232, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 187);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 23.130, 109.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 187) }
```

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

```
.background{ background-color: rgb(231,  
232, 187) }
```

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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