

Converting Colors

CIELCh(91, 4.419, 112.527)

Have a look what the booklet for
CIELCh(91, 4.419, 112.527) contains.

CIELCh(91, 4.662, 114.228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 4.662, 114.228)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6DD
RGB	229, 230, 221
RGB Percent	90%, 90%, 87%
CMY	0.1019, 0.0980, 0.1333
CMYK	0.00, 0.00, 0.04, 0.10
HSL	67°, 15%, 88%
HSV	67°, 4%, 90%
XYZ	73.6716, 78.4833, 79.6822
YIQ	228.6750, 2.2930, -3.0110

Conversions

Conversions Part 2

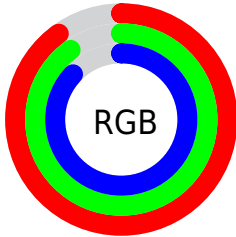
Format	Color
R_{YB}	221, 230, 222
Decimal	15066845
CIE Lab	91.00, -1.91, 4.25
CIE LCh	91, 4.662, 114.228
Yxy	78.4833, 0.3178, 0.3385
Android (android.graphics.Color)	4293256925 (0xFFE5E6DD)
YUV	228.6750, -3.7838, 0.2850
Hunter-Lab	88.5908, -6.5944, 8.6857

Details

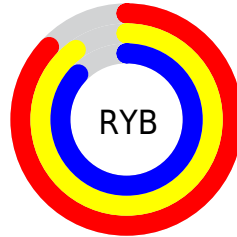
The CIELCh color $91, 4.662, 114.228$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $88, 4.723, 294.880$, and the grayscale version is $91, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $71, 4.908, 114.139$ is the 20% darker color. If you saturate the color by 10%, you get $90, 16.572, 113.447$, and if you desaturate by 10%, it is $92, 7.282, 295.034$.

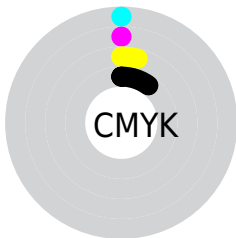
Distribution



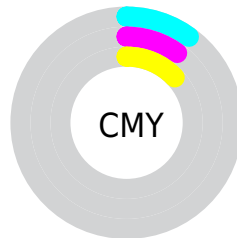
- Red (90%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (10%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.662, 114.228 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, 4.662, 114.228 by changing the saturation by 10% instead.

■ 91, 4.662, 114.228

■ 91, 4.662, 114.228

■ 100, 4.662,
114.228

■ 81, 4.662, 114.228

■ 71, 4.662, 114.228

■ 61, 4.662, 114.228

■ 51, 4.662, 114.228

■ 41, 4.662, 114.228

■ 31, 4.662, 114.228

■ 21, 4.662, 114.228

■ 11, 4.662, 114.228

■ 1, 4.662, 114.228

91, 4.662, 114.228

91, 4.662, 114.228

90, 16.572,
113.447

92, 7.282, 295.034

90, 28.371,
112.638

92, 13.032,
297.404

89, 39.958,
111.839

92, 13.165,
301.210

89, 51.171,
111.075

93, 13.355,
304.944

88, 61.766,
110.384

93, 13.598,
308.576

88, 71.377,
109.814

93, 13.894,
312.085


87, 79.509,
109.430

93, 14.240,
315.452

87, 85.593,
109.305

93, 14.632,
318.665

 87, 89.217,
109.496

 94, 15.067,
321.716

Harmonies

Complementary

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



91, 4.662, 114.228



88, 4.723, 294.880

Rectangle

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



91, 4.662, 114.228



91, 4.662, 164.228



91, 4.662, 294.228



91, 4.662, 344.228

Sweetspot

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



91, 4.664, 114.245



100, 1.287, 114.459



89, 2.960, 28.490



53, 0.731, 114.462



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, 4.664, 114.245



100, 6.479, 114.157



91, 5.061, 132.355



48, 4.055, 114.106



69, 74.800, 109.630



20, 29.459, 109.830

Inverse Universe

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



88, 4.723, 294.880



96, 6.570, 294.973



89, 5.101, 312.613



46, 4.115, 295.027



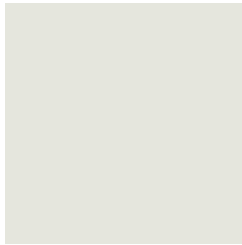
22, 101.741, 306.682



2, 33.893, 299.440

Previews

White Background



This preview shows how the CIELCh color 91, 4.662, 114.228 looks on a white background.

Color Contrast Check

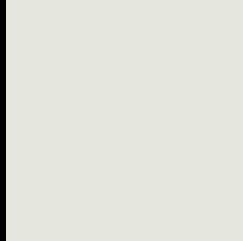
Large Text (above 18pt) WCAG AA × Fail

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, 4.662, 114.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

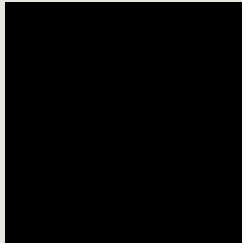
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

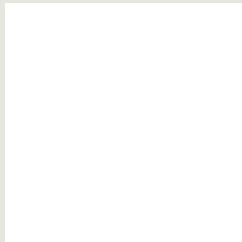
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.662, 114.228

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.662, 114.228.

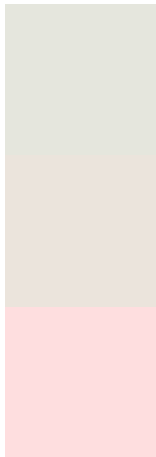


This preview shows how white text looks on a background with the CIELCh color 91, 4.662, 114.228.

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

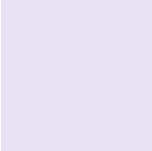
91, 4.662, 114.228

Protanopia

91, 4.833, 78.066

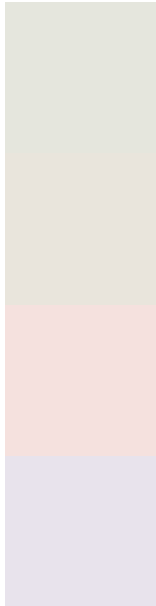
Deuteranopia

91, 11.741, 17.688



Tritanopia
91, 9.695, 305.464

Trichromacy



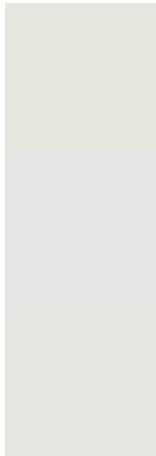
Original Color
91, 4.662, 114.228

Protanomaly
91, 4.854, 92.388

Deuteranomaly
91, 7.457, 31.788

Tritanomaly
91, 5.020, 311.115

Monochromacy



Original Color
91, 4.662, 114.228

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.542, 110.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.662, 114.228 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(229, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 221)  
}
```

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(229, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.662, 114.228 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(229, 230, 221) }
```

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

```
.border{ border-color:rgb(229, 230, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.662, 114.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 221) }
```

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

```
.background{ background-color: rgb(229,  
230, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor