

Converting Colors

CIELCh(91, 12.458, 115.970)

Have a look what the booklet for
CIELCh(91, 12.458, 115.970)
contains.

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Color

CIELCh(91, 12.470, 115.960)

Conversions

Conversions Part 1

Format	Color
Hex	E4E8D0
RGB	228, 232, 208
RGB Percent	89%, 91%, 82%
CMY	0.1073, 0.0916, 0.1857
CMYK	0.02, 0.00, 0.10, 0.09
HSL	70°, 34%, 86%
HSV	70°, 10%, 91%
XYZ	71.9786, 78.4833, 70.8023
YIQ	228.0680, 5.3200, -8.3120

Conversions

Conversions Part 2

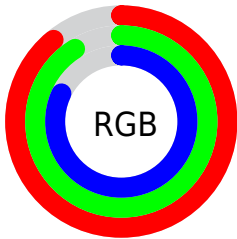
Format	Color
R _Y B	208, 232, 212
Decimal	15001808
CIE Lab	91.00, -5.46, 11.21
CIE LCh	91, 12.470, 115.960
Yxy	78.4833, 0.3253, 0.3547
Android (android.graphics.Color)	4293191888 (0xFFE4E8D0)
YUV	228.0680, -9.8935, -0.0596
Hunter-Lab	88.5908, -10.0056, 14.6286

Details

The CIELCh color **91, 12.470, 115.960** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84, 12.763, 297.508**, 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, 12.001, 114.590** is the 20% darker color. If you saturate the color by 10%, you get **90, 24.447, 115.232**, and if you desaturate by 10%, it is **92, 0.423, 116.685**.

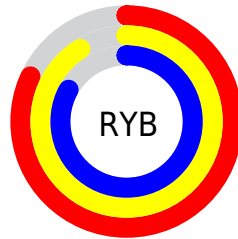
Distribution



Red (89%)

Green (91%)

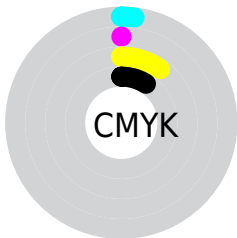
Blue (82%)



Red (82%)

Yellow (91%)

Blue (83%)

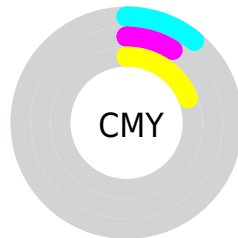


Cyan (2%)

Magenta (0%)

Yellow (10%)

Black (9%)



Cyan (11%)


Magenta (9%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.470, 115.960 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, 12.470, 115.960 by changing the saturation by 10% instead.


 91, 12.470,
115.960


 91, 12.470,
115.960


 100, 12.470,
115.960


 81, 12.470,
115.960


 71, 12.470,
115.960

 61, 12.470,
115.960

 51, 12.470,
115.960

 41, 12.470,
115.960

 31, 12.470,
115.960

 21, 12.470,

115.960

■ 11, 12.470,
115.960

■ 1, 12.470, 115.960

■ 91, 12.470,
115.960

■ 91, 12.470,
115.960

■ 90, 24.447,
115.232

■ 92, 0.423, 116.685

■ 90, 36.254,
114.499

■ 93, 11.639,
297.384

■ 89, 47.756,
113.793

■ 93, 12.387,
303.261

■ 88, 58.742,
113.147

■ 93, 12.745,
309.146

■ 94, 13.228,

■ 88, 68.893,
112.613

314.696

■ 87, 77.762,
112.258

■ 94, 13.827,
319.850

■ 87, 84.789,
112.168

■ 94, 14.528,
324.578

■ 87, 89.469,
112.423

■ 94, 14.586,
324.927

■ 86, 91.853,
112.993

Harmonies

Complementary

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



91, 12.470, 115.960



84, 12.763, 297.508

Rectangle

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



91, 12.470, 115.960



91, 12.470, 165.960



91, 12.470, 295.960



91, 12.470, 345.960

Sweetspot

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



91, 12.472, 115.966



100, 3.900, 116.498



86, 7.689, 35.578



53, 2.958, 116.440



0, 0.000, 0.000



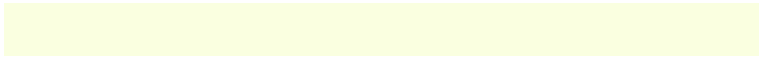
53, 0.007, 296.813

Same Dimension

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



91, 12.472, 115.966



99, 15.613, 115.842



90, 13.763, 134.239



48, 6.787, 116.033



68, 75.535, 112.833



20, 29.668, 112.785

Inverse Universe

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



84, 12.763, 297.508



91, 16.033, 297.652



85, 13.896, 315.089



44, 6.932, 297.434



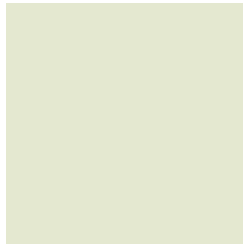
22, 101.217, 307.016



3, 34.027, 300.749

Previews

White Background



This preview shows how the CIELCh color 91, 12.470, 115.960 looks on a white background.

Color Contrast Check

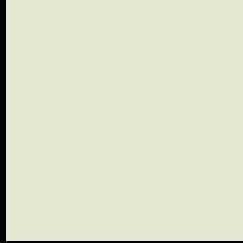
Large Text (above 18pt) WCAG AA × Fail

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, 12.470, 115.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

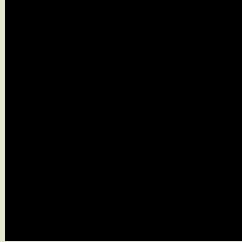
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

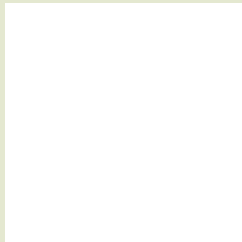
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 12.470, 115.960

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.470, 115.960.



This preview shows how white text looks on a background with the CIELCh color 91, 12.470, 115.960.

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

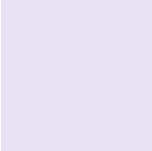
91, 12.470, 115.960

Protanopia

91, 12.067, 89.366

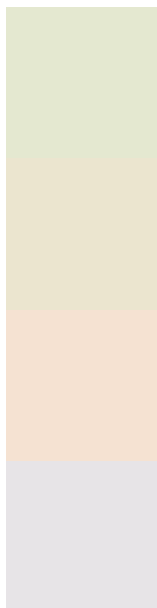
Deuteranopia

91, 13.390, 42.738



Tritanopia
91, 9.695, 305.464

Trichromacy



Original Color
91, 12.470, 115.960

Protanomaly
91, 11.562, 98.138

Deuteranomaly
91, 10.879, 68.934

Tritanomaly
91, 1.905, 324.363

Monochromacy



Original Color
91, 12.470, 115.960

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 4.150, 114.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.470, 115.960 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(228, 232, 208)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 208)  
}
```

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(228, 232, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.470, 115.960 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(228, 232, 208) }
```

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

```
.border{ border-color:rgb(228, 232, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 208);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.470, 115.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 208) }
```

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

```
.background{ background-color: rgb(228,  
232, 208) }
```

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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