

Converting Colors

CIELCh(90, 14.589, 107.373)

Have a look what the booklet for
CIELCh(90, 14.589, 107.373)
contains.

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Color

CIELCh(90, 14.469, 107.508)

Conversions

Conversions Part 1

Format	Color
Hex	E5E4C8
RGB	229, 228, 200
RGB Percent	90%, 89%, 78%
CMY	0.1020, 0.1059, 0.2157
CMYK	0.00, 0.00, 0.13, 0.10
HSL	58°, 36%, 84%
HSV	58°, 13%, 90%
XYZ	70.4709, 76.3034, 65.6479
YIQ	225.1070, 9.5840, -8.4960

Conversions

Conversions Part 2

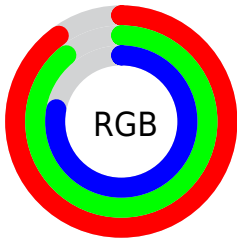
Format	Color
R_{YB}	201, 229, 200
Decimal	15066312
CIE _{Lab}	90.00, -4.35, 13.80
CIE _{LCh}	90, 14.469, 107.508
Yxy	76.3034, 0.3317, 0.3592
Android (android.graphics.Color)	4293256392 (0xFFE5E4C8)
YUV	225.1070, -12.3778, 3.4142
Hunter-Lab	87.3518, -8.8610, 16.5877

Details

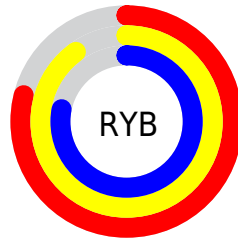
The CIELCh color **90, 14.469, 107.508** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 14.868, 290.162**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.677, 108.692** is the 20% darker color. If you saturate the color by 10%, you get **89, 25.830, 106.510**, and if you desaturate by 10%, it is **91, 3.039, 108.488**.

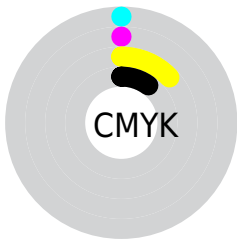
Distribution



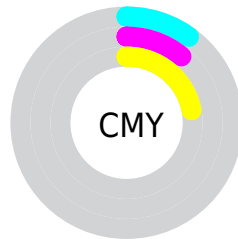
- Red (90%)
- Green (89%)
- Blue (78%)



- Red (79%)
- Yellow (90%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)




- Cyan (10%)
- Magenta (11%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 14.469, 107.508 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 90, 14.469, 107.508 by changing the saturation by 10% instead.


 90, 14.469,
107.508


 90, 14.469,
107.508


 100, 14.469,
107.508


 80, 14.469,
107.508


 70, 14.469,
107.508

 60, 14.469,
107.508

 50, 14.469,
107.508

 40, 14.469,
107.508

 30, 14.469,
107.508

 20, 14.469,

107.508

■ 10, 14.469,
107.508

■ 0, 14.469, 107.508

■ 90, 14.469,
107.508

■ 90, 14.469,
107.508

■ 89, 25.830,
106.510

■ 91, 3.039, 108.488

■ 89, 37.028,
105.506

■ 92, 8.407, 289.500

■ 88, 47.920,
104.522

■ 92, 12.765,
289.118

■ 88, 58.281,
103.582

■ 92, 12.359,
287.777

■ 92, 11.961,
286.349

■ 87, 67.764,
102.714

■ 93, 11.571,
284.825

■ 87, 75.881,
101.952

■ 93, 11.189,
283.199

■ 87, 82.038,
101.330

■ 93, 10.817,
281.461

■ 86, 85.738,
100.868

■ 93, 10.456,
279.604

■ 86, 87.078,
100.614

Harmonies

Complementary

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



90, 14.469, 107.508



82, 14.868, 290.162

Rectangle

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



90, 14.469, 107.508



90, 14.469, 157.508



90, 14.469, 287.508



90, 14.469, 337.508

Sweetspot

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



90, 14.471, 107.515



100, 4.985, 108.364



83, 10.856, 16.184



53, 3.544, 108.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 14.471, 107.515



99, 18.695, 107.272



89, 15.797, 126.717



48, 6.503, 107.834



69, 72.306, 100.651



20, 28.411, 101.804

Inverse Universe

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



82, 14.868, 290.162



88, 19.307, 290.459



82, 16.107, 307.908



44, 6.640, 289.787



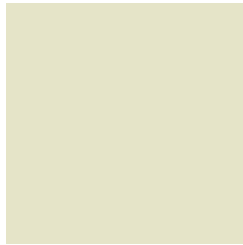
21, 100.802, 305.857



3, 32.872, 296.117

Previews

White Background



This preview shows how the CIELCh color 90, 14.469, 107.508 looks on a white background.

Color Contrast Check

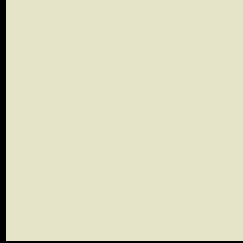
Large Text (above 18pt) WCAG AA × Fail

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 90, 14.469, 107.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

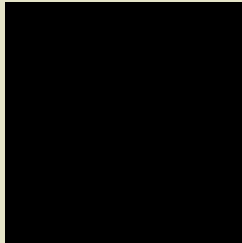
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

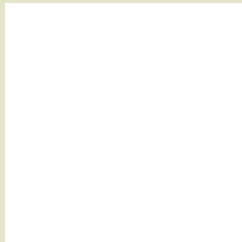
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 14.469, 107.508

Background



This preview shows how black text looks on a background with the CIELCh color 90, 14.469, 107.508.

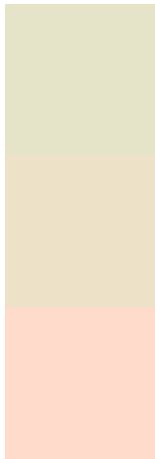


This preview shows how white text looks on a background with the CIELCh color 90, 14.469, 107.508.

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
90, 14.469, 107.508

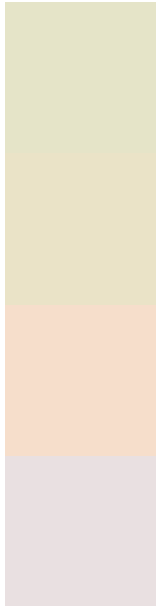
Protanopia
90, 14.556, 92.483

Deuteranopia
90, 15.737, 49.591



Tritanopia
90, 10.472, 316.729

Trichromacy



Original Color
90, 14.469, 107.508

Protanomaly
90, 14.699, 98.674

Deuteranomaly
90, 13.388, 66.857

Tritanomaly
90, 3.286, 10.383

Monochromacy



Original Color
90, 14.469, 107.508

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.177, 109.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 14.469, 107.508 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, 228, 200)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 200)  
}
```

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, 228, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 14.469, 107.508 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, 228, 200) }
```

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

```
.border{ border-color:rgb(229, 228, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 200);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 14.469, 107.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 200) }
```

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

```
.background{ background-color: rgb(229,  
228, 200) }
```

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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