

Converting Colors

CIELCh(90, 14.241, 121.382)

Have a look what the booklet for
CIELCh(90, 14.241, 121.382)
contains.

CIELCh(90, 14.278, 120.989)	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(90, 14.278, 120.989)

Conversions

Conversions Part 1

Format	Color
Hex	DEE6CB
RGB	222, 230, 203
RGB Percent	87%, 90%, 80%
CMY	0.1301, 0.0987, 0.2046
CMYK	0.03, 0.00, 0.12, 0.10
HSL	78°, 35%, 85%
HSV	78°, 12%, 90%
XYZ	69.0794, 76.3034, 67.4816
YIQ	224.5300, 3.8990, -10.0930

Conversions

Conversions Part 2

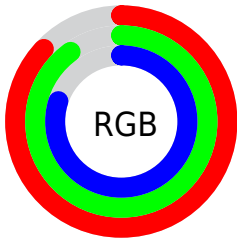
Format	Color
R _Y B	203, 230, 211
Decimal	14608075
CIE Lab	90.00, -7.35, 12.24
CIE LCh	90, 14.278, 120.989
Yxy	76.3034, 0.3245, 0.3585
Android (android.graphics.Color)	4292798155 (0xFFDEE6CB)
YUV	224.5300, -10.6143, -2.2188
Hunter-Lab	87.3518, -11.7046, 15.3432

Details

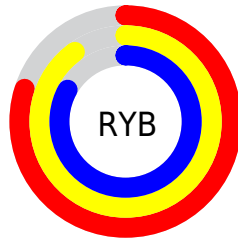
The CIELCh color **90, 14.278, 120.989** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 14.612, 302.381**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 14.492, 121.263** is the 20% darker color. If you saturate the color by 10%, you get **89, 26.383, 120.398**, and if you desaturate by 10%, it is **91, 2.116, 121.593**.

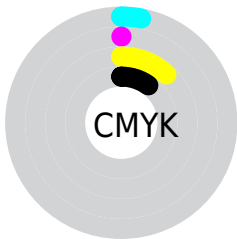
Distribution



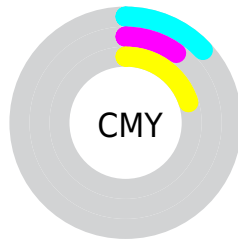
- Red (87%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)





- Cyan (13%)
- Magenta (10%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 14.278, 120.989 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, 14.278, 120.989 by changing the saturation by 10% instead.


 90, 14.278,
120.989


 90, 14.278,
120.989


 100, 14.278,
120.989


 80, 14.278,
120.989


 70, 14.278,
120.989

 60, 14.278,
120.989

 50, 14.278,
120.989

 40, 14.278,
120.989

 30, 14.278,
120.989

 20, 14.278,

120.989

■ 10, 14.278,
120.989

■ 0, 14.278, 120.989

■ 90, 14.278,
120.989

■ 90, 14.278,
120.989

■ 89, 26.383,
120.398

■ 91, 2.116, 121.593

■ 88, 38.326,
119.806

■ 92, 10.041,
302.116

■ 87, 49.962,
119.243

■ 93, 13.758,
309.302

■ 87, 61.072,
118.751

■ 93, 14.676,
318.161

■ 94, 15.725,

■ 86, 71.330,
118.393

324.968

■ 85, 80.283,
118.256

■ 85, 87.381,
118.451

■ 84, 92.155,
119.082

■ 84, 94.506,
119.907

Harmonies

Complementary

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



90, 14.278, 120.989



83, 14.612, 302.381

Rectangle

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



90, 14.278, 120.989



90, 14.278, 170.989



90, 14.278, 300.989



90, 14.278, 350.989

Sweetspot

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



90, 14.280, 120.994



100, 5.284, 121.450



86, 8.246, 48.756



53, 3.757, 121.405



0, 0.000, 0.000



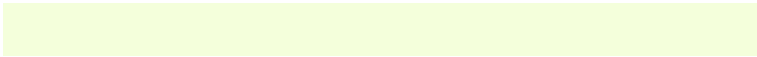
53, 0.007, 296.813

Same Dimension

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



90, 14.280, 120.994



98, 18.511, 120.856



89, 16.054, 137.779



48, 6.896, 121.129



67, 78.108, 119.670



19, 30.464, 119.232

Inverse Universe

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



83, 14.612, 302.381



89, 19.023, 302.538



84, 16.164, 318.812



44, 7.028, 302.231



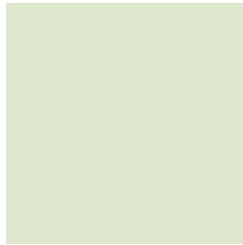
24, 99.393, 308.303



3, 34.460, 304.116

Previews

White Background



This preview shows how the CIELCh color 90, 14.278, 120.989 looks on a white background.

Color Contrast Check

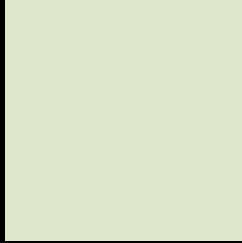
Large Text (above 18pt) WCAG AA × Fail

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, 14.278, 120.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

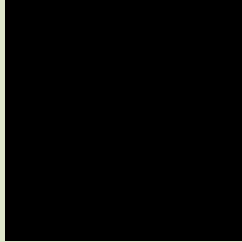
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

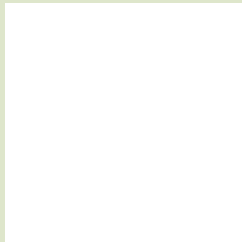
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 14.278, 120.989

Background



This preview shows how black text looks on a background with the CIELCh color 90, 14.278, 120.989.

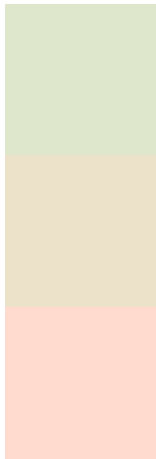


This preview shows how white text looks on a background with the CIELCh color 90, 14.278, 120.989.

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](#).

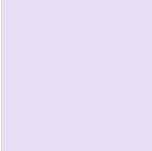
Dichromacy



Original Color
90, 14.278, 120.989

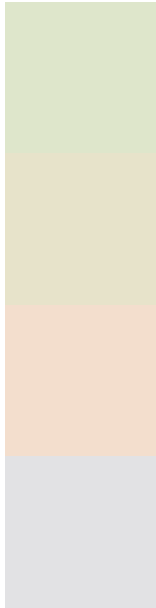
Protanopia
90, 13.082, 90.749

Deuteranopia
90, 15.322, 44.057



Tritanopia
90, 9.492, 299.350

Trichromacy



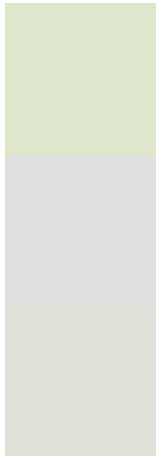
Original Color
90, 14.278, 120.989

Protanomaly
90, 13.005, 102.520

Deuteranomaly
90, 11.823, 67.685

Tritanomaly
90, 1.049, 290.330

Monochromacy



Original Color
90, 14.278, 120.989

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 5.304, 121.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 14.278, 120.989 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(222, 230, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 230, 203)  
}
```

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(222, 230, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 230, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 14.278, 120.989 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(222, 230, 203) }
```

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

```
.border{ border-color:rgb(222, 230, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 230, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 230, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 230, 203); box-shadow:4px 4px 4px 4px rgb(222, 230, 203) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 14.278, 120.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 230, 203) }
```

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

```
.background{ background-color: rgb(222,  
230, 203) }
```

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