

Converting Colors

CIELCh(90, 31.791, 119.489)

Have a look what the booklet for
CIELCh(90, 31.791, 119.489)
contains.

CIELCh(90, 31.941, 119.426)	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, 31.941, 119.426)

Conversions

Conversions Part 1

Format	Color
Hex	D9EAAD
RGB	217, 234, 173
RGB Percent	85%, 92%, 68%
CMY	0.1506, 0.0839, 0.3231
CMYK	0.07, 0.00, 0.26, 0.08
HSL	77°, 59%, 80%
HSV	77°, 26%, 92%
XYZ	65.3050, 76.3034, 50.6228
YIQ	221.9630, 9.4490, -22.5750

Conversions

Conversions Part 2

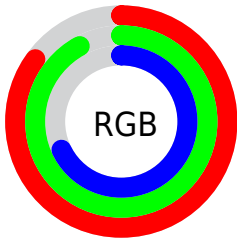
Format	Color
RYB	173, 234, 190
Decimal	14281389
CIELab	90.00, -15.69, 27.82
CIELCh	90, 31.941, 119.426
Yxy	76.3034, 0.3397, 0.3969
Android (android.graphics.Color)	4292471469 (0xFFD9EAAD)
YUV	221.9630, -24.1388, -4.3526
Hunter-Lab	87.3518, -19.4173, 26.7860

Details

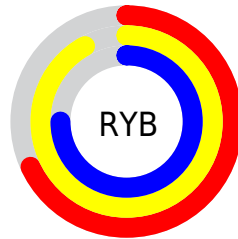
The CIELCh color **90, 31.941, 119.426** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74, 33.690, 302.819**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.158, 109.183**, and **70, 31.839, 118.950** is the 20% darker color. If you saturate the color by 10%, you get **89, 43.888, 118.829**, and if you desaturate by 10%, it is **91, 19.774, 120.042**.

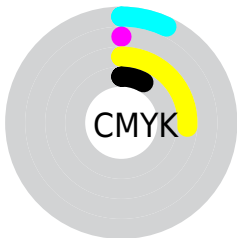
Distribution



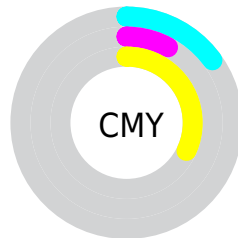
- Red (85%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (75%)



- Cyan (7%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)





- Cyan (15%)
- Magenta (8%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 31.941, 119.426 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, 31.941, 119.426 by changing the saturation by 10% instead.


 90, 31.941,
119.426


 90, 31.941,
119.426


 100, 31.941,
119.426


 80, 31.941,
119.426


 70, 31.941,
119.426

 60, 31.941,
119.426

 50, 31.941,
119.426

 40, 31.941,
119.426

 30, 31.941,
119.426

 20, 31.941,

119.426

■ 10, 31.941,
119.426

■ 0, 31.941, 119.426

■ 90, 31.941,
119.426

■ 90, 31.941,
119.426

■ 89, 43.888,
118.829

■ 91, 19.774,
120.042

■ 88, 55.431,
118.276

■ 92, 7.501, 120.650

■ 88, 66.306,
117.817

■ 93, 4.797, 301.217

■ 94, 11.519,
306.728

■ 87, 76.127,
117.527

■ 94, 12.338,
316.920

■ 87, 84.378,
117.501

■ 95, 13.363,
324.883

■ 86, 90.502,
117.850

■ 86, 94.166,
118.657

■ 85, 95.167,
119.045

Harmonies

Complementary

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



90, 31.941, 119.426



74, 33.690, 302.819

Rectangle

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



90, 31.941, 119.426



90, 31.941, 169.426



90, 31.941, 299.426



90, 31.941, 349.426

Sweetspot

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



90, 31.943, 119.429



99, 10.552, 120.533



80, 19.761, 46.265



53, 7.500, 120.441



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, 31.943, 119.429



97, 40.608, 119.123



88, 36.080, 136.501



49, 7.004, 120.446



68, 78.530, 118.818



20, 31.708, 118.141

Inverse Universe

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



74, 33.690, 302.819



76, 43.334, 303.243



77, 36.607, 318.945



45, 7.140, 301.586



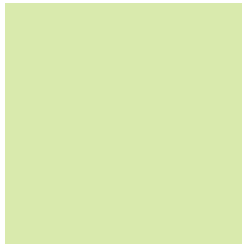
24, 100.752, 308.074



3, 36.554, 304.548

Previews

White Background



This preview shows how the CIELCh color 90, 31.941, 119.426 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, 31.941, 119.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

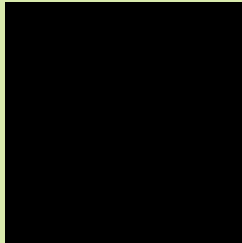
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

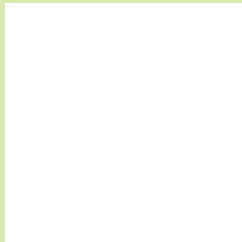
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 31.941, 119.426

Background



This preview shows how black text looks on a background with the CIELCh color 90, 31.941, 119.426.

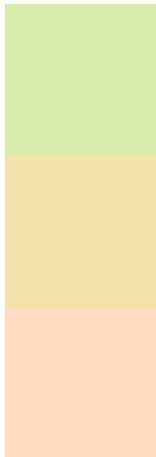


This preview shows how white text looks on a background with the CIELCh color 90, 31.941, 119.426.

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](#).

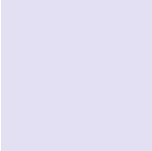
Dichromacy



Original Color
90, 31.941, 119.426

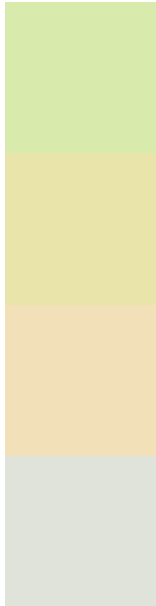
Protanopia
90, 30.036, 95.613

Deuteranopia
90, 20.208, 65.518



Tritanopia
90, 9.407, 295.166

Trichromacy



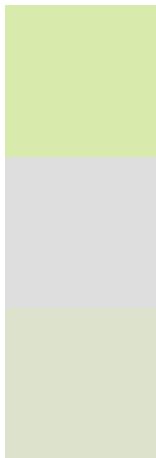
Original Color
90, 31.941, 119.426

Protanomaly
90, 30.333, 104.722

Deuteranomaly
90, 21.719, 90.847

Tritanomaly
90, 5.390, 125.305

Monochromacy



Original Color
90, 31.941, 119.426

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 11.633, 120.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 31.941, 119.426 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(217, 234, 173)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 173)  
}
```

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(217, 234, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 31.941, 119.426 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(217, 234, 173) }
```

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

```
.border{ border-color:rgb(217, 234, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 234, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 173);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 31.941, 119.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 173) }
```

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

```
.background{ background-color: rgb(217,  
234, 173) }
```

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