

Converting Colors

CIELCh(90, 31.707, 117.834)

Have a look what the booklet for
CIELCh(90, 31.707, 117.834)
contains.

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Color

CIElCh(90, 31.732, 117.414)

Conversions

Conversions Part 1

Format	Color
Hex	DBE9AC
RGB	219, 233, 172
RGB Percent	86%, 91%, 67%
CMY	0.1412, 0.0863, 0.3255
CMYK	0.06, 0.00, 0.26, 0.09
HSL	74°, 58%, 79%
HSV	74°, 26%, 91%
XYZ	65.7870, 76.3034, 50.2822
YIQ	221.8600, 11.2370, -21.9390

Conversions

Conversions Part 2

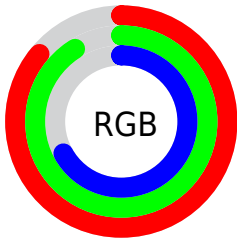
Format	Color
RYB	172, 233, 186
Decimal	14412204
CIELab	90.00, -14.61, 28.17
CIElCh	90, 31.732, 117.414
Yxy	76.3034, 0.3420, 0.3966
Android (android.graphics.Color)	4292602284 (0xFFDBE9AC)
YUV	221.8600, -24.5810, -2.5082
Hunter-Lab	87.3518, -18.4325, 27.0172

Details

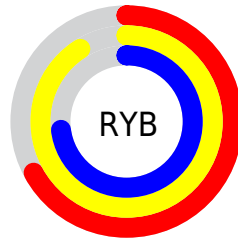
The CIELCh color **90, 31.732, 117.414** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 33.573, 301.137**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **70, 31.697, 117.516** is the 20% darker color. If you saturate the color by 10%, you get **89, 43.546, 116.769**, and if you desaturate by 10%, it is **91, 19.689, 118.080**.

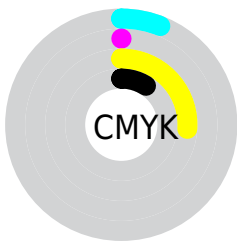
Distribution



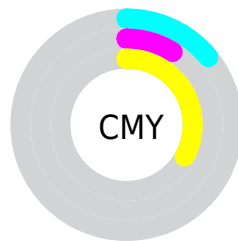
- Red (86%)
- Green (91%)
- Blue (67%)



- Red (67%)
- Yellow (91%)
- Blue (73%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)





- Cyan (14%)
- Magenta (9%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 31.732, 117.414 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, 31.732, 117.414 by changing the saturation by 10% instead.


 90, 31.732,
117.414


 90, 31.732,
117.414


 100, 31.732,
117.414


 80, 31.732,
117.414


 70, 31.732,
117.414

 60, 31.732,
117.414

 50, 31.732,
117.414

 40, 31.732,
117.414

 30, 31.732,
117.414

 20, 31.732,

117.414

■ 10, 31.732,
117.414

■ 0, 31.732, 117.414

■ 90, 31.732,
117.414

■ 90, 31.732,
117.414

■ 89, 43.546,
116.769

■ 91, 19.689,
118.080

■ 89, 54.947,
116.167

■ 92, 7.529, 118.737

■ 88, 65.670,
115.659

■ 93, 4.667, 299.364

■ 93, 11.683,
303.618

■ 87, 75.324,
115.311

■ 94, 12.233,
312.127

■ 87, 83.390,
115.215

■ 94, 13.027,
319.831

■ 86, 89.311,
115.471

■ 95, 13.744,
324.896

■ 86, 92.756,
116.154

■ 86, 93.659,
116.483

Harmonies

Complementary

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



90, 31.732, 117.414



73, 33.573, 301.137

Rectangle

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



90, 31.732, 117.414



90, 31.732, 167.414



90, 31.732, 297.414



90, 31.732, 347.414

Sweetspot

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



90, 31.734, 117.417



99, 10.483, 118.616



79, 20.238, 40.909



53, 7.450, 118.517



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, 31.734, 117.417



97, 40.303, 117.091



88, 35.561, 135.008



49, 6.958, 118.522



68, 77.466, 116.286



20, 31.367, 115.752

Inverse Universe

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



73, 33.573, 301.137



76, 43.166, 301.604



76, 36.220, 317.384



45, 7.100, 299.771



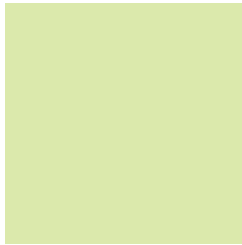
23, 101.505, 307.538



3, 36.346, 303.184

Previews

White Background



This preview shows how the CIELCh color 90, 31.732, 117.414 looks on a white background.

Color Contrast Check

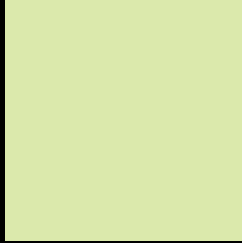
Large Text (above 18pt) WCAG AA × Fail

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 90, 31.732, 117.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

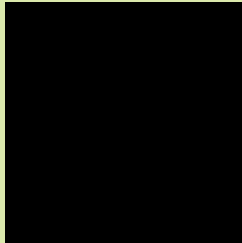
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 31.732, 117.414

Background



This preview shows how black text looks on a background with the CIELCh color 90, 31.732, 117.414.

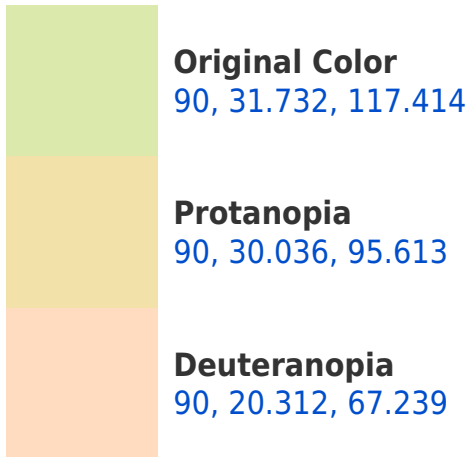


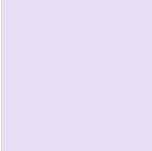
This preview shows how white text looks on a background with the CIELCh color 90, 31.732, 117.414.

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](#).

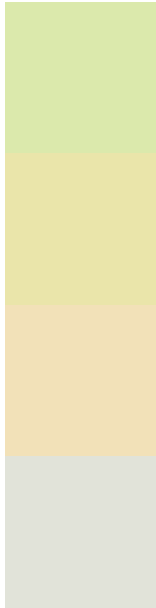
Dichromacy





Tritanopia
90, 9.492, 299.350

Trichromacy



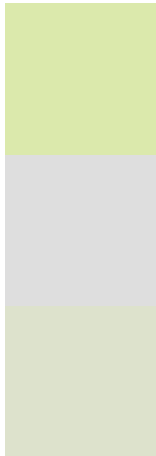
Original Color
90, 31.732, 117.414

Protanomaly
90, 30.356, 103.982

Deuteranomaly
90, 22.195, 91.194

Tritanomaly
90, 5.233, 117.700

Monochromacy



Original Color
90, 31.732, 117.414

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 11.563, 118.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 31.732, 117.414 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(219, 233, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 233, 172)  
}
```

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(219, 233, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 233, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 31.732, 117.414 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(219, 233, 172) }
```

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

```
.border{ border-color:rgb(219, 233, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 233, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 233, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 233, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 233,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 31.732, 117.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 233, 172) }
```

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

```
.background{ background-color: rgb(219,  
233, 172) }
```

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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