

Converting Colors

CIELCh(90, 11.995, 107.742)

Have a look what the booklet for
CIELCh(90, 11.995, 107.742)
contains.

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Color

CIELCh(90, 11.891, 107.413)

Conversions

Conversions Part 1

Format	Color
Hex	E5E4CD
RGB	229, 228, 205
RGB Percent	90%, 89%, 80%
CMY	0.1032, 0.1071, 0.1973
CMYK	0.00, 0.00, 0.10, 0.10
HSL	58°, 31%, 85%
HSV	58°, 10%, 90%
XYZ	70.8427, 76.3034, 68.5485
YIQ	225.6770, 7.9790, -6.9410

Conversions

Conversions Part 2

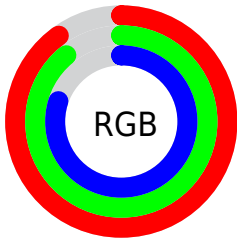
Format	Color
R _Y B	206, 229, 205
Decimal	15066317
CIE Lab	90.00, -3.56, 11.35
CIE LCh	90, 11.891, 107.413
Yxy	76.3034, 0.3284, 0.3538
Android (android.graphics.Color)	4293256397 (0xFFE5E4CD)
YUV	225.6770, -10.1938, 2.9143
Hunter-Lab	87.3518, -8.1014, 14.6190

Details

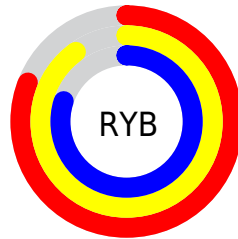
The CIELCh color **90, 11.891, 107.413** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 12.162, 289.608**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.968, 108.968** is the 20% darker color. If you saturate the color by 10%, you get **89, 23.185, 106.412**, and if you desaturate by 10%, it is **91, 0.548, 108.263**.

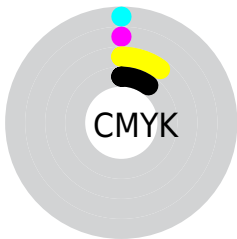
Distribution



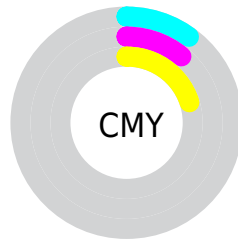
- Red (90%)
- Green (89%)
- Blue (80%)



- Red (81%)
- Yellow (90%)
- Blue (80%)



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





- Cyan (10%)
- Magenta (11%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.891, 107.413 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, 11.891, 107.413 by changing the saturation by 10% instead.


 90, 11.891,
107.413


 90, 11.891,
107.413


 100, 11.891,
107.413


 80, 11.891,
107.413


 70, 11.891,
107.413

 60, 11.891,
107.413

 50, 11.891,
107.413

 40, 11.891,
107.413

 30, 11.891,
107.413

 20, 11.891,

107.413

■ 10, 11.891,
107.413

■ 0, 11.891, 107.413

■ 90, 11.891,
107.413

■ 90, 11.891,
107.413

■ 89, 23.185,
106.412

■ 91, 0.548, 108.263

■ 89, 34.346,
105.399

■ 92, 10.798,
289.406

■ 88, 45.247,
104.399

■ 92, 12.677,
288.349

■ 88, 55.686,
103.434

■ 92, 12.193,
286.680

■ 92, 11.721,

■ 87, 65.349,
102.532

284.877

■ 87, 73.779,
101.724

■ 93, 11.261,
282.929

■ 86, 80.392,
101.042

■ 93, 10.815,
280.821

■ 86, 84.635,
100.510

■ 93, 10.386,
278.539

■ 86, 86.537,
100.129

■ 93, 9.974, 276.068

Harmonies

Complementary

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



90, 11.891, 107.413



83, 12.162, 289.608

Rectangle

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



90, 11.891, 107.413



90, 11.891, 157.413



90, 11.891, 287.413



90, 11.891, 337.413

Sweetspot

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



90, 11.893, 107.421



100, 3.709, 108.150



84, 8.913, 15.984



53, 2.813, 108.076



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, 11.893, 107.421



99, 16.093, 107.162



89, 13.070, 126.823



48, 6.457, 107.525



69, 71.936, 100.174



20, 28.225, 101.401

Inverse Universe

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



83, 12.162, 289.608



90, 16.542, 289.915



84, 13.287, 307.795



44, 6.590, 289.489



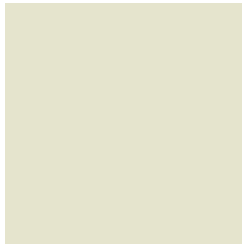
22, 100.478, 305.768



3, 32.705, 295.976

Previews

White Background



This preview shows how the CIELCh color 90, 11.891, 107.413 looks on a white background.

Color Contrast Check

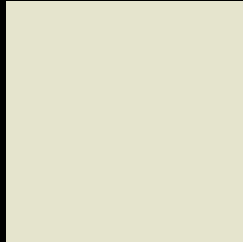
Large Text (above 18pt) WCAG AA × Fail

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, 11.891, 107.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

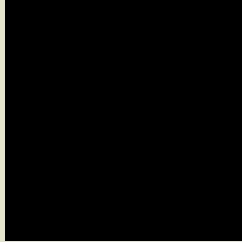
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

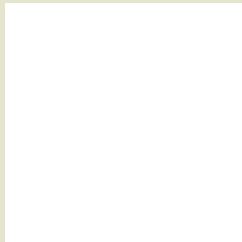
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.891, 107.413

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.891, 107.413.



This preview shows how white text looks on a background with the CIELCh color 90, 11.891, 107.413.

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](#).

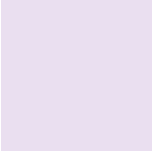
Dichromacy



Original Color
90, 11.891, 107.413

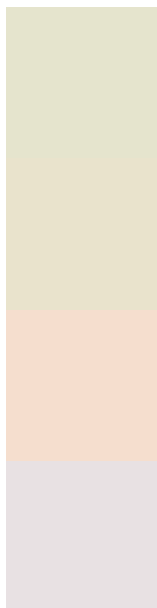
Protanopia
90, 11.966, 91.048

Deuteranopia
90, 15.092, 42.325



Tritanopia
90, 9.696, 314.309

Trichromacy



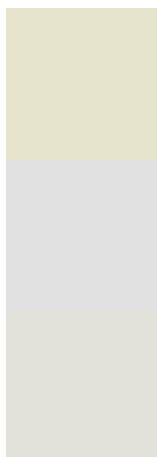
Original Color
90, 11.891, 107.413

Protanomaly
90, 12.089, 98.540

Deuteranomaly
90, 11.971, 63.417

Tritanomaly
90, 2.729, 357.039

Monochromacy



Original Color
90, 11.891, 107.413

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.140, 109.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.891, 107.413 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.891, 107.413 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, 205) }
```

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

```
.border{ border-color:rgb(229, 228, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 205);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.891, 107.413 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, 205) }
```

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

```
.background{ background-color: rgb(229,  
228, 205) }
```

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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