

Converting Colors

CIELCh(90, 11.822, 304.646)

Have a look what the booklet for
CIELCh(90, 11.822, 304.646)
contains.

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Color

CIElCh(90, 11.822, 304.646)

Conversions

Conversions Part 1

Format	Color
Hex	E7DFF5
RGB	231, 223, 245
RGB Percent	91%, 87%, 96%
CMY	0.0944, 0.1257, 0.0395
CMYK	0.06, 0.09, 0.00, 0.04
HSL	262°, 52%, 92%
HSV	262°, 9%, 96%
XYZ	75.7718, 76.3034, 97.0636
YIQ	227.9000, -2.2940, 8.5380

Conversions

Conversions Part 2

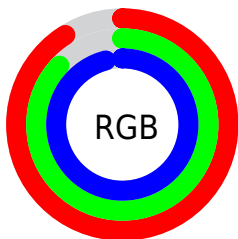
Format	Color
R _Y B	231, 223, 245
Decimal	15196149
CIE Lab	90.00, 6.72, -9.73
CIE LCh	90, 11.822, 304.646
Yxy	76.3034, 0.3041, 0.3063
Android (android.graphics.Color)	4293386229 (0xFFE7DFF5)
YUV	227.9000, 8.4303, 2.7187
Hunter-Lab	87.3518, 1.9711, -4.7356

Details

The CIELCh color `90, 11.822, 304.646` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `95, 11.624, 123.708`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 11.833, 303.669` is the 20% darker color. If you saturate the color by 10%, you get `83, 25.399, 305.249`, and if you desaturate by 10%, it is `97, 1.307, 124.179`.

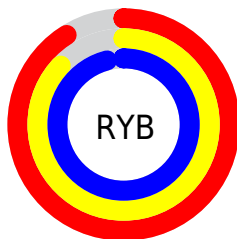
Distribution



Red (91%)

Green (87%)

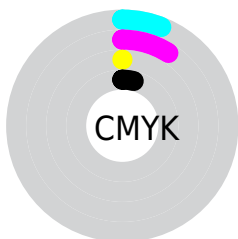
Blue (96%)



Red (91%)

Yellow (87%)

Blue (96%)

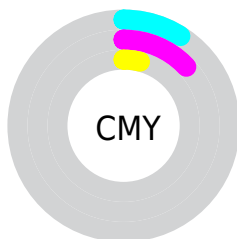


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (9%)


Magenta (13%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.822, 304.646 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, 11.822, 304.646 by changing the saturation by 10% instead.


 90, 11.822,
304.646


 90, 11.822,
304.646


 100, 11.822,
304.646


 80, 11.822,
304.646


 70, 11.822,
304.646

 60, 11.822,
304.646

 50, 11.822,
304.646

 40, 11.822,
304.646

 30, 11.822,
304.646

 20, 11.822,

304.646

■ 10, 11.822,
304.646

■ 0, 11.822, 304.646

■ 90, 11.822,
304.646

■ 90, 11.822,
304.646

■ 83, 25.399,
305.249

■ 97, 1.307, 124.179

■ 76, 39.412,
305.922

■ 100, 5.095,
109.782

■ 68, 53.794,
306.655

■ 61, 68.393,
307.426

■ 55, 82.903,
308.192

■ 48, 96.759,
308.874

■ 43, 109.038,
309.350

■ 39, 118.500,
309.462

■ 36, 124.271,
309.110

Harmonies

Complementary

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



90, 11.822, 304.646



95, 11.624, 123.708

Rectangle

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



90, 11.822, 304.646



90, 11.822, 354.646



90, 11.822, 124.646



90, 11.822, 174.646

Sweetspot

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



90, 11.820, 304.643



98, 4.045, 304.301



93, 6.259, 238.710



52, 3.069, 304.348



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, 11.820, 304.643



92, 15.009, 304.761



91, 13.227, 320.682



47, 7.483, 304.672



26, 101.333, 309.243



4, 41.068, 308.408

Inverse Universe

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



91, 10.720, 337.594



93, 13.591, 337.756



95, 13.170, 139.865



48, 6.784, 337.634



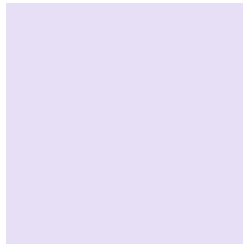
41, 70.209, 349.848



9, 32.083, 346.056

Previews

White Background



This preview shows how the CIELCh color 90, 11.822, 304.646 looks on a white background.

Color Contrast Check

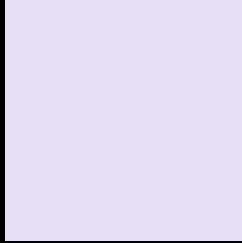
Large Text (above 18pt) WCAG AA × Fail

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, 11.822, 304.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

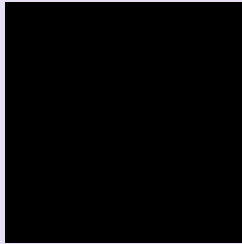
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 11.822, 304.646

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.822, 304.646.



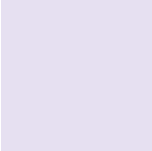
This preview shows how white text looks on a background with the CIELCh color 90, 11.822, 304.646.

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](#).

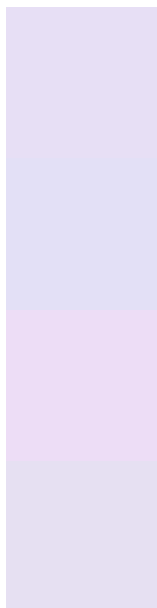
Dichromacy





Tritanopia
90, 9.120, 304.147

Trichromacy



Original Color
90, 11.822, 304.646

Protanomaly
90, 11.512, 296.250

Deuteranomaly
90, 14.217, 314.217

Tritanomaly
90, 9.626, 303.456

Monochromacy



Original Color
90, 11.822, 304.646

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 4.310, 304.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.822, 304.646 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(231, 223, 245)` looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 245)  
}
```

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(231, 223, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.822, 304.646 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(231, 223, 245) }
```

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

```
.border{ border-color:rgb(231, 223, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 223, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 223, 245);  
box-shadow:4px 4px 4px 4px rgb(231, 223,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.822, 304.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 245) }
```

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

```
.background{ background-color: rgb(231,  
223, 245) }
```

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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