

Converting Colors

CIELCh(90, 12.359, 312.546)

Have a look what the booklet for
CIELCh(90, 12.359, 312.546)
contains.

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Color

CIELCh(90, 12.369, 312.547)

Conversions

Conversions Part 1

Format	Color
Hex	EBDEF4
RGB	235, 222, 244
RGB Percent	92%, 87%, 96%
CMY	0.0791, 0.1301, 0.0438
CMYK	0.04, 0.09, 0.00, 0.04
HSL	275°, 50%, 91%
HSV	275°, 9%, 96%
XYZ	76.5802, 76.3034, 96.1389
YIQ	228.3950, 0.6860, 9.5980

Conversions

Conversions Part 2

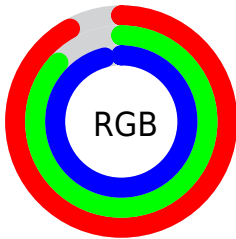
Format	Color
R _Y B	235, 222, 244
Decimal	15458036
CIE Lab	90.00, 8.36, -9.11
CIE LCh	90, 12.369, 312.547
Yxy	76.3034, 0.3075, 0.3064
Android (android.graphics.Color)	4293648116 (0xFFEBDEF4)
YUV	228.3950, 7.6933, 5.7926
Hunter-Lab	87.3518, 3.6231, -4.1080

Details

The CIELCh color `90, 12.369, 312.547` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `95, 12.234, 131.808`, 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, 12.375, 311.986` is the 20% darker color. If you saturate the color by 10%, you get `83, 26.395, 313.003`, and if you desaturate by 10%, it is `97, 1.313, 132.269`.

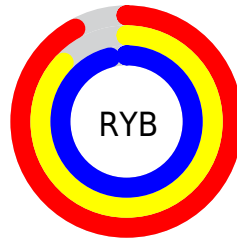
Distribution



Red (92%)

Green (87%)

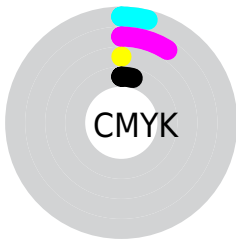
Blue (96%)



Red (92%)

Yellow (87%)

Blue (96%)

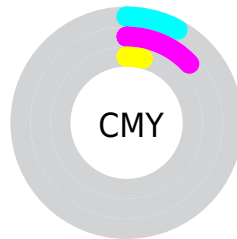


Cyan (4%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (8%)


Magenta (13%)


Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 12.369, 312.547 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, 12.369, 312.547 by changing the saturation by 10% instead.


 90, 12.369,
312.547


 90, 12.369,
312.547


 100, 12.369,
312.547


 80, 12.369,
312.547


 70, 12.369,
312.547

 60, 12.369,
312.547

 50, 12.369,
312.547

 40, 12.369,
312.547

 30, 12.369,
312.547

 20, 12.369,

312.547

■ 10, 12.369,
312.547

■ 0, 12.369, 312.547

■ 90, 12.369,
312.547

■ 90, 12.369,
312.547

■ 83, 26.395,
313.003

■ 97, 1.313, 132.269

■ 77, 40.691,
313.475

■ 100, 5.657,
110.538

■ 70, 55.102,
313.947

■ 100, 5.655,
109.742

■ 64, 69.366,
314.392

■ 58, 83.063,
314.763

■ 53, 95.569,
314.996

■ 48, 106.066,
315.007

■ 45, 113.693,
314.702

■ 42, 118.110,
314.038

Harmonies

Complementary

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



90, 12.369, 312.547



95, 12.234, 131.808

Rectangle

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



90, 12.369, 312.547



90, 12.369, 2.547



90, 12.369, 132.547



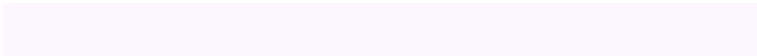
90, 12.369, 182.547

Sweetspot

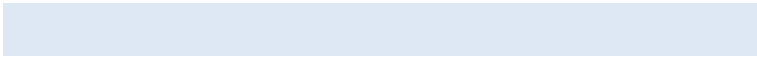
The Sweet Spot groups the original color and five complimentary colors.



90, 12.367, 312.545



98, 4.238, 312.260



91, 7.301, 265.131



52, 3.214, 312.303



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, 12.367, 312.545



92, 15.678, 312.636



91, 13.085, 327.267



48, 7.822, 312.566



31, 96.611, 314.154



6, 41.640, 315.199

Inverse Universe

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



90, 9.205, 349.618



93, 11.677, 349.822



94, 13.059, 146.247



48, 5.823, 349.666



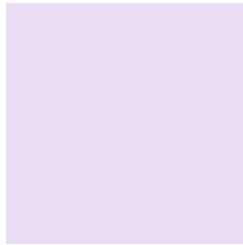
40, 66.852, 10.810



9, 29.691, 3.239

Previews

White Background



This preview shows how the CIELCh color 90, 12.369, 312.547 looks on a white background.

Color Contrast Check

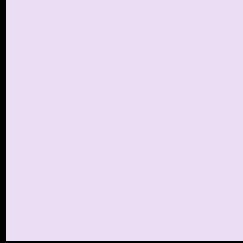
Large Text (above 18pt) WCAG AA × Fail

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, 12.369, 312.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

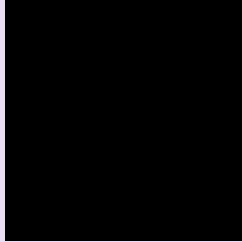
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

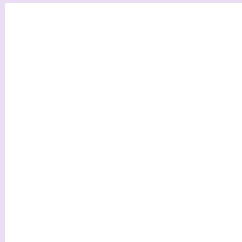
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 12.369, 312.547

Background



This preview shows how black text looks on a background with the CIELCh color 90, 12.369, 312.547.



This preview shows how white text looks on a background with the CIELCh color 90, 12.369, 312.547.

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, 12.369, 312.547

Protanopia
90, 10.922, 291.064

Deuteranopia
90, 14.384, 320.230



Tritanopia
90, 10.322, 314.962

Trichromacy



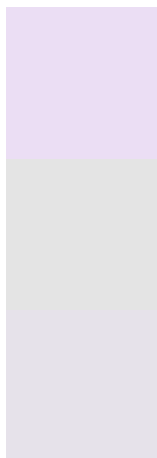
Original Color
90, 12.369, 312.547

Protanomaly
90, 11.089, 300.023

Deuteranomaly
90, 13.425, 317.345

Tritanomaly
90, 10.797, 313.840

Monochromacy



Original Color
90, 12.369, 312.547

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 4.414, 309.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 12.369, 312.547 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(235, 222, 244)` looks like.

```
.text, #text, p{  
    color:rgb(235, 222, 244)  
}
```

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(235, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 222, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 12.369, 312.547 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(235, 222, 244) }
```

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

```
.border{ border-color:rgb(235, 222, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 222, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 222, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 222, 244); box-shadow:4px 4px 4px 4px rgb(235, 222, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 12.369, 312.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 222, 244) }
```

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

```
.background{ background-color: rgb(235,  
222, 244) }
```

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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