

Converting Colors

CIELCh(90, 12.187, 316.533)

Have a look what the booklet for
CIELCh(90, 12.187, 316.533)
contains.

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Color

CIELCh(90, 12.187, 316.533)

Conversions

Conversions Part 1

Format	Color
Hex	ECDDF2
RGB	236, 221, 242
RGB Percent	93%, 87%, 95%
CMY	0.0727, 0.1315, 0.0492
CMYK	0.02, 0.09, 0.00, 0.05
HSL	283°, 46%, 91%
HSV	283°, 9%, 95%
XYZ	76.8180, 76.3034, 95.0478
YIQ	227.8790, 2.1990, 9.7110

Conversions

Conversions Part 2

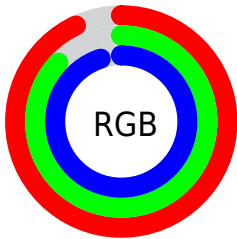
Format	Color
R _Y B	236, 221, 242
Decimal	15523314
CIE Lab	90.00, 8.84, -8.38
CIE LCh	90, 12.187, 316.533
Yxy	76.3034, 0.3095, 0.3075
Android (android.graphics.Color)	4293713394 (0xFFECDDF2)
YUV	227.8790, 6.9617, 7.1221
Hunter-Lab	87.3518, 4.1091, -3.3674

Details

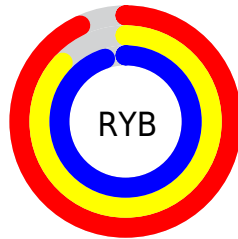
The CIELCh color **90, 12.187, 316.533** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **94, 12.095, 135.825**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 12.173, 316.166** is the 20% darker color. If you saturate the color by 10%, you get **84, 26.504, 316.977**, and if you desaturate by 10%, it is **97, 1.846, 136.246**.

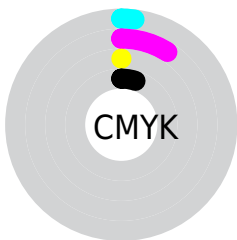
Distribution



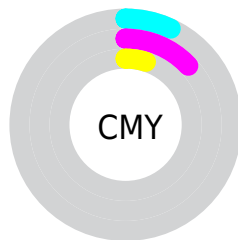
- Red (93%)
- Green (87%)
- Blue (95%)



- Red (93%)
- Yellow (87%)
- Blue (95%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





- Cyan (7%)
- Magenta (13%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 12.187, 316.533 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, 12.187, 316.533 by changing the saturation by 10% instead.


 90, 12.187,
316.533


 90, 12.187,
316.533


 100, 12.187,
316.533


 80, 12.187,
316.533


 70, 12.187,
316.533

 60, 12.187,
316.533

 50, 12.187,
316.533

 40, 12.187,
316.533

 30, 12.187,
316.533

 20, 12.187,

316.533

■ 10, 12.187,
316.533

■ 0, 12.187, 316.533

■ 90, 12.187,
316.533

■ 90, 12.187,
316.533

■ 84, 26.504,
316.977

■ 97, 1.846, 136.246

■ 99, 6.581, 124.296

■ 77, 40.991,
317.420

■ 100, 6.345,
109.691

■ 71, 55.443,
317.846

■ 65, 69.541,
318.227

■ 60, 82.815,
318.524

■ 55, 94.632,
318.684

■ 51, 104.249,
318.644

■ 48, 110.985,
318.341

■ 46, 114.669,
317.749

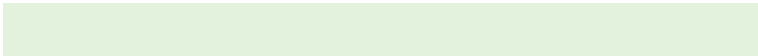
Harmonies

Complementary

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



90, 12.187, 316.533



94, 12.095, 135.825

Rectangle

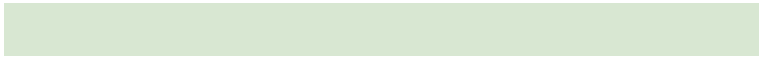
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 12.187, 316.533



90, 12.187, 6.533



90, 12.187, 136.533



90, 12.187, 186.533

Sweetspot

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



90, 12.185, 316.532



98, 4.374, 316.259



90, 7.899, 274.842



52, 3.317, 316.303



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, 12.185, 316.532



93, 14.673, 316.593



90, 11.523, 331.039



48, 8.063, 316.569



35, 94.285, 317.814



7, 41.536, 319.002

Inverse Universe

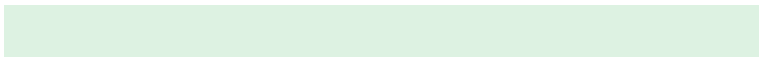
The Inverse Universe completely reimagines the original color for something new.



90, 8.215, 357.717



93, 9.907, 357.866



94, 11.487, 149.994



48, 5.441, 357.808



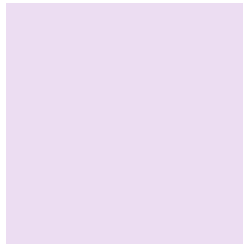
39, 69.725, 22.422



9, 29.711, 12.106

Previews

White Background



This preview shows how the CIELCh color 90, 12.187, 316.533 looks on a white background.

Color Contrast Check

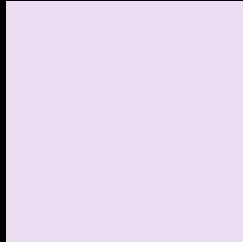
Large Text (above 18pt) WCAG AA × Fail

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, 12.187, 316.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

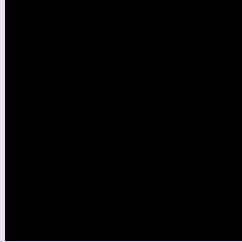
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

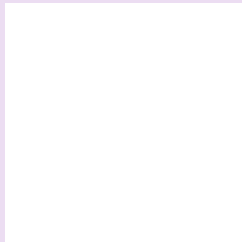
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 12.187, 316.533

Background



This preview shows how black text looks on a background with the CIELCh color 90, 12.187, 316.533.



This preview shows how white text looks on a background with the CIELCh color 90, 12.187, 316.533.

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, 12.187, 316.533

Protanopia

90, 10.403, 291.023

Deuteranopia

90, 14.118, 322.530



Tritanopia
90, 10.177, 319.807

Trichromacy



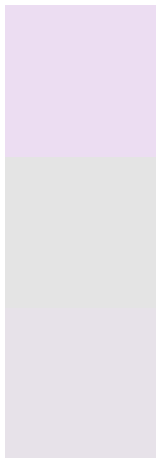
Original Color
90, 12.187, 316.533

Protanomaly
90, 10.577, 300.438

Deuteranomaly
90, 13.130, 319.741

Tritanomaly
90, 10.632, 318.448

Monochromacy



Original Color
90, 12.187, 316.533

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 4.071, 316.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 12.187, 316.533 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(236, 221, 242)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 242)  
}
```

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(236, 221, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 12.187, 316.533 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(236, 221, 242) }
```

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

```
.border{ border-color:rgb(236, 221, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 221, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 221, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 221, 242);  
box-shadow:4px 4px 4px 4px rgb(236, 221,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 12.187, 316.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 242) }
```

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

```
.background{ background-color: rgb(236,  
221, 242) }
```

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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