

Converting Colors

CIELCh(90, 16.976, 300.109)

Have a look what the booklet for
CIELCh(90, 16.976, 300.109)
contains.

CIELCh(90, 16.928, 300.754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 16.928, 300.754)

Conversions

Conversions Part 1

Format	Color
Hex	E6DEFE
RGB	230, 222, 254
RGB Percent	90%, 87%, 100%
CMY	0.0976, 0.1290, 0.0035
CMYK	0.09, 0.13, 0.00, 0.00
HSL	255°, 95%, 93%
HSV	255°, 13%, 100%
XYZ	76.7247, 76.3034, 104.5421
YIQ	228.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

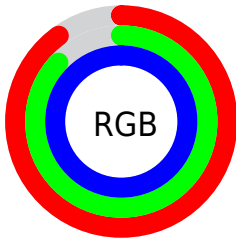
Format	Color
R _Y B	230, 222, 254
Decimal	15130366
CIE Lab	90.00, 8.66, -14.55
CIE LCh	90, 16.928, 300.754
Yxy	76.3034, 0.2979, 0.2962
Android (android.graphics.Color)	4293320446 (0xFFE6DEFE)
YUV	228.0400, 12.7983, 1.7189
Hunter-Lab	87.3518, 3.9183, -9.8117

Details

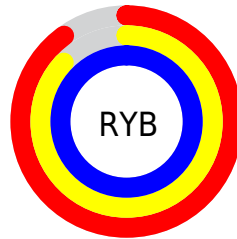
The CIELCh color `90, 16.928, 300.754` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 16.493, 119.119`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 16.693, 300.330` is the 20% darker color. If you saturate the color by 10%, you get `82, 30.935, 301.538`, and if you desaturate by 10%, it is `98, 3.429, 300.059`.

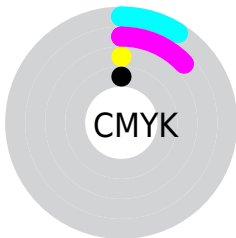
Distribution



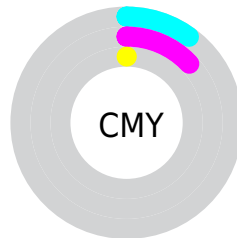
- Red (90%)
- Green (87%)
- Blue (100%)



- Red (90%)
- Yellow (87%)
- Blue (100%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.928, 300.754 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, 16.928, 300.754 by changing the saturation by 10% instead.


 90, 16.928,
300.754


 90, 16.928,
300.754


 100, 16.928,
300.754


 80, 16.928,
300.754


 70, 16.928,
300.754

 60, 16.928,
300.754

 50, 16.928,
300.754

 40, 16.928,
300.754

 30, 16.928,
300.754

 20, 16.928,

300.754

■ 10, 16.928,
300.754

■ 0, 16.928, 300.754

■ 90, 16.928,
300.754

■ 90, 16.928,
300.754

■ 82, 30.935,
301.538

■ 98, 3.429, 300.059

■ 75, 45.453,
302.430

100, 0.439,
109.969

■ 67, 60.428,
303.423

■ 59, 75.708,
304.495

■ 52, 90.940,
305.592

■ 46, 105.418,
306.607

■ 40, 117.926,
307.370

■ 36, 126.857,
307.670

■ 34, 130.838,
307.583

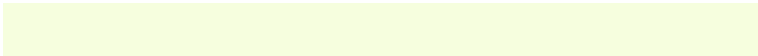
Harmonies

Complementary

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



90, 16.928, 300.754



98, 16.493, 119.119

Rectangle

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



90, 16.928, 300.754



90, 16.928, 350.754



90, 16.928, 120.754



90, 16.928, 170.754

Sweetspot

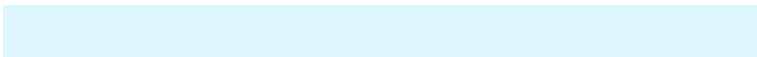
The Sweet Spot groups the original color and five complimentary colors.



90, 16.926, 300.751



97, 5.313, 300.153



96, 9.058, 224.078



51, 3.780, 300.203



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, 16.926, 300.751



88, 20.309, 300.932



91, 18.563, 317.307



49, 7.621, 300.529



25, 105.464, 307.716



4, 44.658, 306.578

Inverse Universe

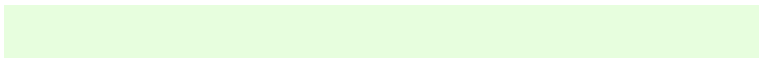
The Inverse Universe completely reimagines the original color for something new.



92, 16.836, 333.147



90, 20.141, 333.316



97, 18.399, 136.223



50, 7.607, 332.931



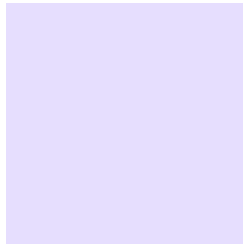
43, 76.852, 341.396



11, 36.123, 339.426

Previews

White Background



This preview shows how the CIELCh color 90, 16.928, 300.754 looks on a white background.

Color Contrast Check

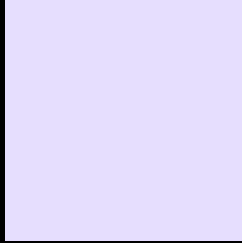
Large Text (above 18pt) WCAG AA × Fail

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, 16.928, 300.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

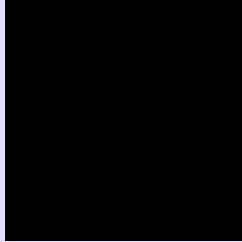
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 16.928, 300.754

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.928, 300.754.

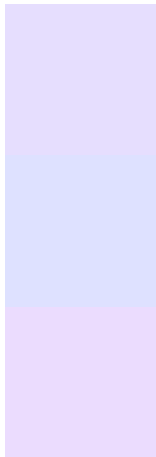


This preview shows how white text looks on a background with the CIELCh color 90, 16.928, 300.754.

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

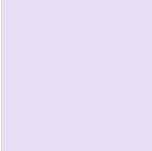
90, 16.928, 300.754

Protanopia

90, 15.612, 287.728

Deuteranopia

90, 18.512, 307.642



Tritanopia
90, 9.492, 299.350

Trichromacy



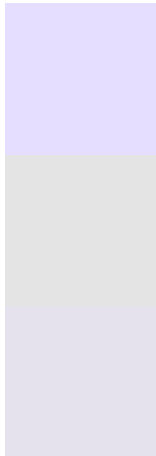
Original Color
90, 16.928, 300.754

Protanomaly
90, 16.138, 292.674

Deuteranomaly
90, 17.730, 304.883

Tritanomaly
90, 12.184, 300.920

Monochromacy



Original Color
90, 16.928, 300.754

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 5.831, 301.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.928, 300.754 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(230, 222, 254)` looks like.

```
.text, #text, p{  
    color:rgb(230, 222, 254)  
}
```

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(230, 222, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 222, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.928, 300.754 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(230, 222, 254) }
```

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

```
.border{ border-color:rgb(230, 222, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 222, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 222, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 222, 254);  
box-shadow:4px 4px 4px 4px rgb(230, 222,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.928, 300.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 222, 254) }
```

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

```
.background{ background-color: rgb(230,  
222, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor