

Converting Colors

CIELCh(90, 17.820, 307.922)

Have a look what the booklet for
CIELCh(90, 17.820, 307.922)
contains.

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Color

CIELCh(90, 17.405, 307.474)

Conversions

Conversions Part 1

Format	Color
Hex	EBDDFD
RGB	235, 221, 253
RGB Percent	92%, 87%, 99%
CMY	0.0793, 0.1342, 0.0087
CMYK	0.07, 0.13, 0.00, 0.01
HSL	266°, 88%, 93%
HSV	266°, 13%, 99%
XYZ	77.6844, 76.3034, 103.3792
YIQ	228.8340, -1.9280, 12.9200

Conversions

Conversions Part 2

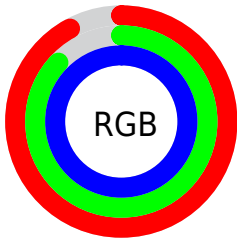
Format	Color
RYB	235, 221, 253
Decimal	15457789
CIELab	90.00, 10.59, -13.81
CIELCh	90, 17.405, 307.474
Yxy	76.3034, 0.3018, 0.2965
Android (android.graphics.Color)	4293647869 (0xFFEBDDFD)
YUV	228.8340, 11.9138, 5.4076
Hunter-Lab	87.3518, 5.8794, -9.0224

Details

The CIELCh color `90, 17.405, 307.474` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 17.058, 126.256`, 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, 17.171, 307.459` is the 20% darker color. If you saturate the color by 10%, you get `83, 31.627, 308.030`, and if you desaturate by 10%, it is `97, 3.602, 306.946`.

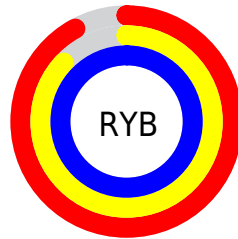
Distribution



Red (92%)

Green (87%)

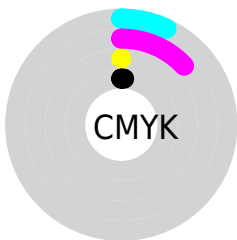
Blue (99%)



Red (92%)

Yellow (87%)

Blue (99%)

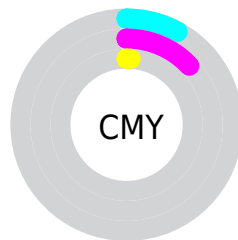


Cyan (7%)

Magenta (13%)

Yellow (0%)

Black (1%)



Cyan (8%)


Magenta (13%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 17.405, 307.474 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, 17.405, 307.474 by changing the saturation by 10% instead.


 90, 17.405,
307.474


 90, 17.405,
307.474


 100, 17.405,
307.474


 80, 17.405,
307.474


 70, 17.405,
307.474

 60, 17.405,
307.474

 50, 17.405,
307.474

 40, 17.405,
307.474

 30, 17.405,
307.474

 20, 17.405,

307.474

■ 10, 17.405,
307.474

■ 0, 17.405, 307.474

■ 90, 17.405,
307.474

■ 90, 17.405,
307.474

■ 83, 31.627,
308.030

■ 97, 3.602, 306.946

■ 76, 46.221,
308.632

100, 1.113,
110.025

■ 68, 61.060,
309.263

■ 62, 75.901,
309.891

■ 55, 90.306,
310.462

■ 49, 103.558,
310.886

■ 44, 114.630,
311.043

■ 41, 122.386,
310.793

■ 39, 125.909,
310.358

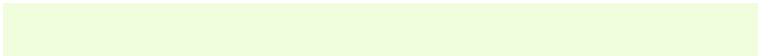
Harmonies

Complementary

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



90, 17.405, 307.474



97, 17.058, 126.256

Rectangle

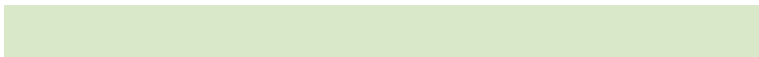
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 17.405, 307.474



90, 17.405, 357.474



90, 17.405, 127.474



90, 17.405, 177.474

Sweetspot

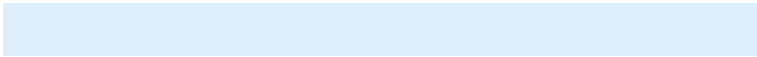
The Sweet Spot groups the original color and five complimentary colors.



90, 17.403, 307.472



97, 5.471, 307.021



93, 9.306, 249.502



51, 3.891, 307.061



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, 17.403, 307.472



89, 20.848, 307.599



91, 19.650, 323.272



49, 7.836, 307.306



28, 101.883, 310.543



6, 44.919, 311.179

Inverse Universe

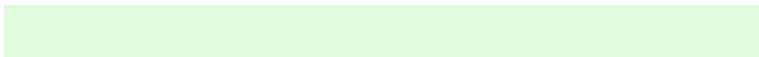
The Inverse Universe completely reimagines the original color for something new.



91, 14.768, 341.416



90, 17.667, 341.623



96, 19.595, 141.950



50, 6.661, 341.142



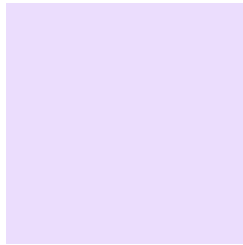
42, 69.330, 356.292



11, 32.595, 351.682

Previews

White Background



This preview shows how the CIELCh color 90, 17.405, 307.474 looks on a white background.

Color Contrast Check

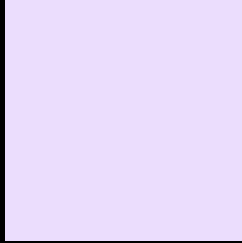
Large Text (above 18pt) WCAG AA × Fail

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, 17.405, 307.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

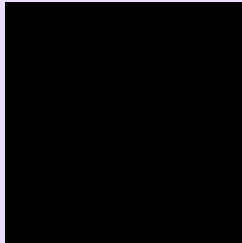
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

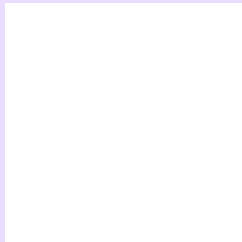
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 17.405, 307.474

Background



This preview shows how black text looks on a background with the CIELCh color 90, 17.405, 307.474.

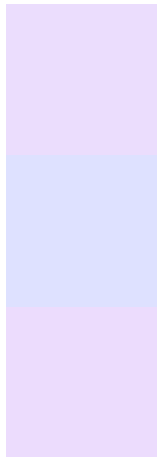


This preview shows how white text looks on a background with the CIELCh color 90, 17.405, 307.474.

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

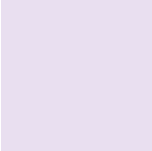
90, 17.405, 307.474

Protanopia

90, 15.612, 287.728

Deuteranopia

90, 18.116, 309.139



Tritanopia
90, 9.559, 312.370

Trichromacy



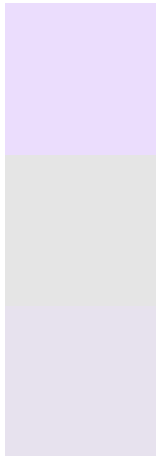
Original Color
90, 17.405, 307.474

Protanomaly
90, 16.218, 296.270

Deuteranomaly
90, 18.116, 309.139

Tritanomaly
90, 12.732, 310.228

Monochromacy



Original Color
90, 17.405, 307.474

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 6.504, 306.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 17.405, 307.474 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, 221, 253)` looks like.

```
.text, #text, p{  
    color:rgb(235, 221, 253)  
}
```

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, 221, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 221, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 17.405, 307.474 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, 221, 253) }
```

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

```
.border{ border-color:rgb(235, 221, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 221, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 221, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 221, 253);  
box-shadow:4px 4px 4px 4px rgb(235, 221,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 17.405, 307.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 221, 253) }
```

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

```
.background{ background-color: rgb(235,  
221, 253) }
```

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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