

Converting Colors

CIELCh(90, 10.530, 307.666)

Have a look what the booklet for
CIELCh(90, 10.530, 307.666)
contains.

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Color

CIELCh(90, 10.417, 308.492)

Conversions

Conversions Part 1

Format	Color
Hex	E8DFF2
RGB	232, 223, 242
RGB Percent	91%, 87%, 95%
CMY	0.0904, 0.1257, 0.0512
CMYK	0.04, 0.08, 0.00, 0.05
HSL	268°, 42%, 91%
HSV	268°, 8%, 95%
XYZ	75.6555, 76.3034, 94.7042
YIQ	227.8570, -0.7350, 7.8170

Conversions

Conversions Part 2

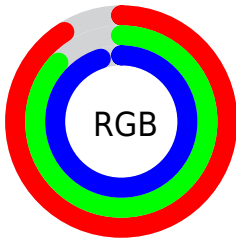
Format	Color
R _Y B	232, 223, 242
Decimal	15261682
CIE Lab	90.00, 6.48, -8.15
CIE LCh	90, 10.417, 308.492
Yxy	76.3034, 0.3067, 0.3093
Android (android.graphics.Color)	4293451762 (0xFFE8DFF2)
YUV	227.8570, 6.9725, 3.6334
Hunter-Lab	87.3518, 1.7335, -3.1342

Details

The CIELCh color `90, 10.417, 308.492` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `94, 10.284, 127.797`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 10.336, 307.552` is the 20% darker color. If you saturate the color by 10%, you get `83, 24.027, 308.997`, and if you desaturate by 10%, it is `97, 2.793, 128.092`.

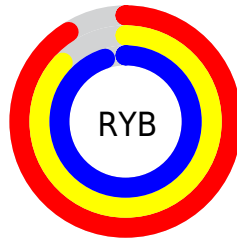
Distribution



Red (91%)

Green (87%)

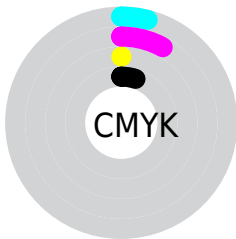
Blue (95%)



Red (91%)

Yellow (87%)

Blue (95%)

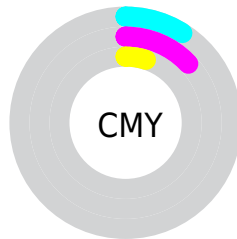


Cyan (4%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (9%)


Magenta (13%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 10.417, 308.492 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, 10.417, 308.492 by changing the saturation by 10% instead.


 90, 10.417,
308.492


 90, 10.417,
308.492


 100, 10.417,
308.492


 80, 10.417,
308.492


 70, 10.417,
308.492

 60, 10.417,
308.492

 50, 10.417,
308.492

 40, 10.417,
308.492

 30, 10.417,
308.492

 20, 10.417,

308.492

■ 10, 10.417,
308.492

■ 0, 10.417, 308.492

■ 90, 10.417,
308.492

■ 90, 10.417,
308.492

■ 83, 24.027,
308.997

■ 97, 2.793, 128.092

■ 76, 38.001,
309.544

■ 100, 6.605,
109.672

■ 69, 52.244,
310.118

■ 63, 66.567,
310.697

■ 56, 80.635,
311.238

■ 51, 93.887,
311.670

■ 45, 105.491,
311.895

■ 41, 114.414,
311.789

■ 38, 119.885,
311.255

Harmonies

Complementary

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



90, 10.417, 308.492



94, 10.284, 127.797

Rectangle

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



90, 10.417, 308.492



90, 10.417, 358.492



90, 10.417, 128.492



90, 10.417, 178.492

Sweetspot

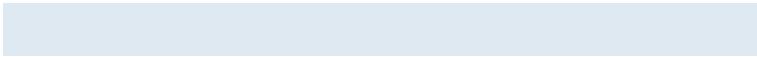
The Sweet Spot groups the original color and five complimentary colors.



90, 10.415, 308.489



99, 2.752, 308.182



92, 5.719, 252.782



53, 1.565, 308.175



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, 10.415, 308.489



93, 12.480, 308.547



91, 11.849, 323.942



46, 7.498, 308.569



28, 98.048, 311.318



5, 39.528, 311.227

Inverse Universe

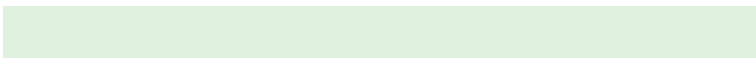
The Inverse Universe completely reimagines the original color for something new.



91, 8.581, 342.842



94, 10.279, 342.948



94, 11.823, 143.137



47, 6.175, 342.989



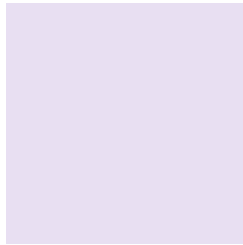
40, 66.571, 359.492



8, 29.710, 353.556

Previews

White Background



This preview shows how the CIELCh color 90, 10.417, 308.492 looks on a white background.

Color Contrast Check

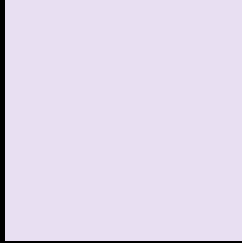
Large Text (above 18pt) WCAG AA × Fail

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, 10.417, 308.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

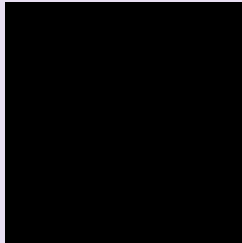
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

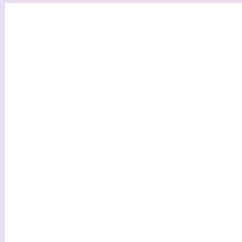
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 10.417, 308.492

Background



This preview shows how black text looks on a background with the CIELCh color 90, 10.417, 308.492.



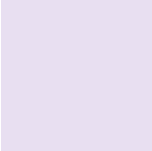
This preview shows how white text looks on a background with the CIELCh color 90, 10.417, 308.492.

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, 9.924, 309.388

Trichromacy



Original Color
90, 10.417, 308.492

Protanomaly
90, 10.006, 298.941

Deuteranomaly
90, 12.964, 318.366

Tritanomaly
90, 9.924, 309.388

Monochromacy



Original Color
90, 10.417, 308.492

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 3.809, 306.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 10.417, 308.492 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(232, 223, 242)` looks like.

```
.text, #text, p{  
    color:rgb(232, 223, 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(232, 223, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 223, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 10.417, 308.492 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(232, 223, 242) }
```

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

```
.border{ border-color:rgb(232, 223, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 223, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 223, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 223, 242);  
box-shadow:4px 4px 4px 4px rgb(232, 223,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 10.417, 308.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 223, 242) }
```

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

```
.background{ background-color: rgb(232,  
223, 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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