

Converting Colors

CIELCh(90, 9.425, 321.287)

Have a look what the booklet for
CIELCh(90, 9.425, 321.287) contains.

CIELCh(90, 9.729, 321.297)	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, 9.729, 321.297)

Conversions

Conversions Part 1

Format	Color
Hex	ECDEEE
RGB	236, 222, 238
RGB Percent	93%, 87%, 93%
CMY	0.0742, 0.1291, 0.0664
CMYK	0.01, 0.07, 0.00, 0.07
HSL	292°, 32%, 90%
HSV	292°, 7%, 93%
XYZ	76.2000, 76.3034, 91.6571
YIQ	228.0100, 3.2080, 7.9440

Conversions

Conversions Part 2

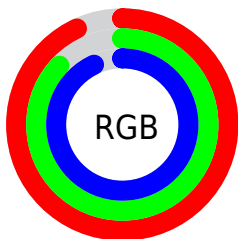
Format	Color
R_{YB}	236, 222, 238
Decimal	15523566
CIE Lab	90.00, 7.59, -6.08
CIE LCh	90, 9.729, 321.297
Yxy	76.3034, 0.3121, 0.3125
Android (android.graphics.Color)	4293713646 (0xFFECDEEE)
YUV	228.0100, 4.9251, 7.0072
Hunter-Lab	87.3518, 2.8461, -1.0659

Details

The CIELCh color `90, 9.729, 321.297` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 9.690, 140.699`, 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, 9.577, 321.125` is the 20% darker color. If you saturate the color by 10%, you get `84, 24.369, 321.791`, and if you desaturate by 10%, it is `96, 4.685, 140.908`.

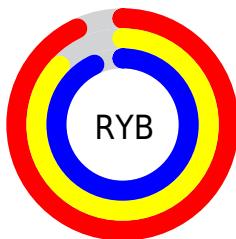
Distribution



Red (93%)

Green (87%)

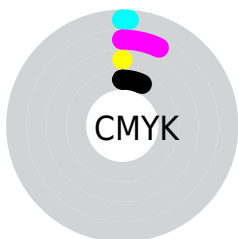
Blue (93%)



Red (93%)

Yellow (87%)

Blue (93%)

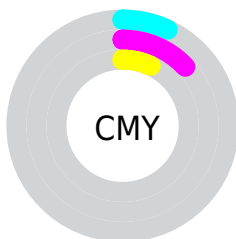


Cyan (1%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.729, 321.297 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, 9.729, 321.297 by changing the saturation by 10% instead.

90, 9.729, 321.297

90, 9.729, 321.297

100, 9.729,
321.297

80, 9.729, 321.297

70, 9.729, 321.297

60, 9.729, 321.297

50, 9.729, 321.297

40, 9.729, 321.297

30, 9.729, 321.297

20, 9.729, 321.297

10, 9.729, 321.297

0, 9.729, 321.297

90, 9.729, 321.297

90, 9.729, 321.297

84, 24.369,
321.791

96, 4.685, 140.908

99, 9.790, 137.528

78, 39.078,
322.269

99, 9.325, 131.909

73, 53.598,
322.723

99, 8.959, 125.728

67, 67.561,
323.131

99, 8.707, 119.068

100, 8.581,
112.076

63, 80.468,
323.467

100, 8.568,
109.527

59, 91.714,
323.697

56, 100.665,
323.788

53, 106.824,
323.711

■ 52, 110.063,
323.451

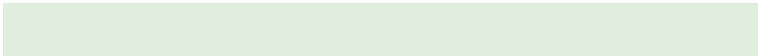
Harmonies

Complementary

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



90, 9.729, 321.297



93, 9.690, 140.699

Rectangle

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



90, 9.729, 321.297



90, 9.729, 11.297



90, 9.729, 141.297



90, 9.729, 191.297

Sweetspot

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



90, 9.726, 321.296



99, 3.054, 321.010



89, 7.246, 284.901



53, 1.737, 321.001



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, 9.726, 321.296



95, 12.255, 321.363



90, 7.805, 337.550



47, 8.288, 321.436



40, 91.138, 323.420



8, 39.713, 324.069

Inverse Universe

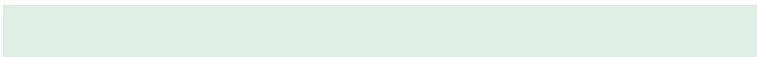
The Inverse Universe completely reimagines the original color for something new.



90, 5.889, 9.601



95, 7.443, 9.738



93, 7.758, 156.670



47, 5.051, 9.888



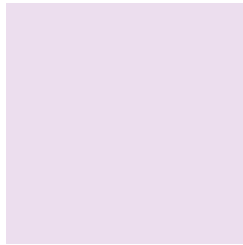
38, 76.271, 34.454



8, 29.250, 18.722

Previews

White Background



This preview shows how the CIELCh color 90, 9.729, 321.297 looks on a white background.

Color Contrast Check

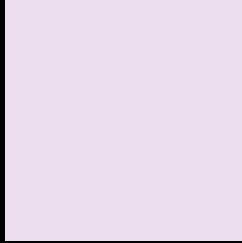
Large Text (above 18pt) WCAG AA × Fail

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, 9.729, 321.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

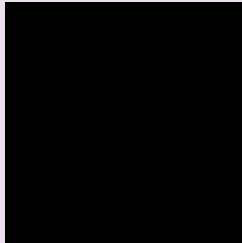
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

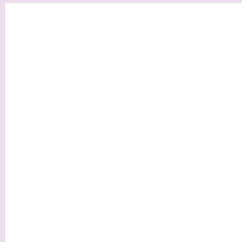
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.729, 321.297

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.729, 321.297.



This preview shows how white text looks on a background with the CIELCh color 90, 9.729, 321.297.

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](#).

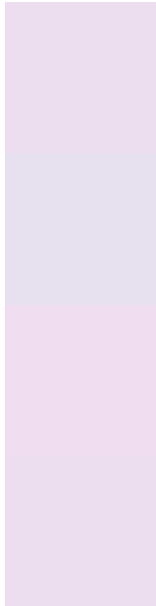
Dichromacy





Tritanopia
90, 10.177, 319.807

Trichromacy



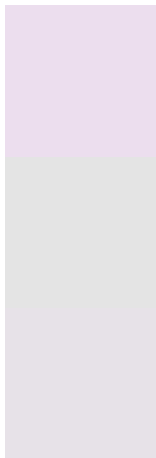
Original Color
90, 9.729, 321.297

Protanomaly
90, 8.113, 305.803

Deuteranomaly
90, 11.573, 326.303

Tritanomaly
90, 10.177, 319.807

Monochromacy



Original Color
90, 9.729, 321.297

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 3.612, 319.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.729, 321.297 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, 222, 238)` looks like.

```
.text, #text, p{  
    color:rgb(236, 222, 238)  
}
```

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, 222, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 222, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.729, 321.297 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, 222, 238) }
```

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

```
.border{ border-color:rgb(236, 222, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 222, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 222, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 222, 238);  
box-shadow:4px 4px 4px 4px rgb(236, 222,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.729, 321.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 222, 238) }
```

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

```
.background{ background-color: rgb(236,  
222, 238) }
```

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