

Converting Colors

CIELCh(90, 8.996, 301.588)

Have a look what the booklet for
CIELCh(90, 8.996, 301.588) contains.

CIELCh(90, 9.043, 301.994)	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, 9.043, 301.994)

Conversions

Conversions Part 1

Format	Color
Hex	E5E0F1
RGB	229, 224, 241
RGB Percent	90%, 88%, 95%
CMY	0.1020, 0.1216, 0.0550
CMYK	0.05, 0.07, 0.00, 0.05
HSL	258°, 38%, 91%
HSV	258°, 7%, 95%
XYZ	74.8296, 76.3034, 93.9859
YIQ	227.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

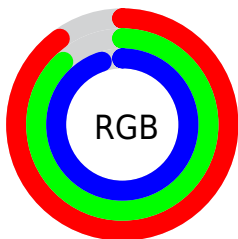
Format	Color
R_{YB}	229, 224, 241
Decimal	15065329
CIE _{Lab}	90.00, 4.79, -7.67
CIE _{LCh}	90, 9.043, 301.994
Y _{xy}	76.3034, 0.3053, 0.3113
Android (android.graphics.Color)	4293255409 (0xFFE5E0F1)
Y _{UV}	227.4330, 6.6885, 1.3743
Hunter-Lab	87.3518, 0.0458, -2.6466

Details

The CIELCh color `90, 9.043, 301.994` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `94, 8.905, 121.175`, 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, 8.988, 302.760` is the 20% darker color. If you saturate the color by 10%, you get `83, 22.245, 302.660`, and if you desaturate by 10%, it is `97, 3.694, 121.426`.

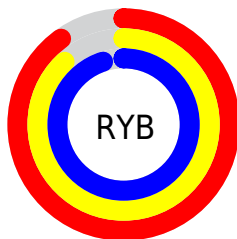
Distribution



Red (90%)

Green (88%)

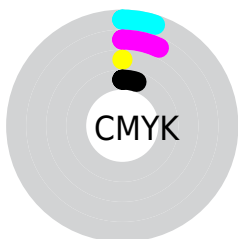
Blue (95%)



Red (90%)

Yellow (88%)

Blue (95%)

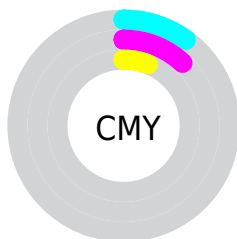


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (10%)

Magenta (12%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.043, 301.994 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, 9.043, 301.994 by changing the saturation by 10% instead.

90, 9.043, 301.994

90, 9.043, 301.994

100, 9.043,
301.994

80, 9.043, 301.994

70, 9.043, 301.994

60, 9.043, 301.994

50, 9.043, 301.994

40, 9.043, 301.994

30, 9.043, 301.994

20, 9.043, 301.994

10, 9.043, 301.994

0, 9.043, 301.994

90, 9.043, 301.994

90, 9.043, 301.994

83, 22.245,
302.660

97, 3.694, 121.426

75, 35.919,
303.418

100, 7.097,
109.636

68, 50.033,
304.263

61, 64.486,
305.181

54, 79.047,
306.136

48, 93.240,
307.056

42, 106.213,
307.817

37, 116.679,
308.244

■ 34, 123.308,
308.163

Harmonies

Complementary

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



90, 9.043, 301.994



94, 8.905, 121.175

Rectangle

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



90, 9.043, 301.994



90, 9.043, 351.994



90, 9.043, 121.994



90, 9.043, 171.994

Sweetspot

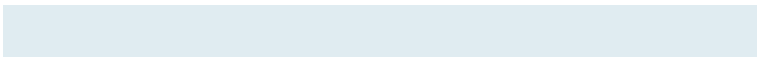
The Sweet Spot groups the original color and five complimentary colors.



90, 9.041, 301.989



98, 2.668, 301.669



93, 4.863, 230.082



53, 1.517, 301.662



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, 9.041, 301.989



94, 10.753, 302.050



91, 10.043, 318.596



46, 7.282, 302.144



24, 101.561, 308.253



4, 38.757, 305.826

Inverse Universe

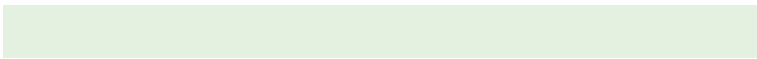
The Inverse Universe completely reimagines the original color for something new.



91, 8.718, 334.479



95, 10.361, 334.551



94, 9.989, 138.016



47, 7.007, 334.658



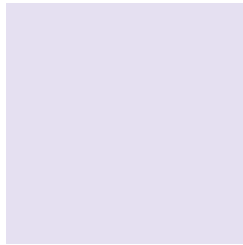
41, 72.410, 344.433



9, 32.489, 341.563

Previews

White Background



This preview shows how the CIELCh color 90, 9.043, 301.994 looks on a white background.

Color Contrast Check

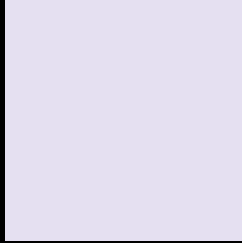
Large Text (above 18pt) WCAG AA × Fail

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, 9.043, 301.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

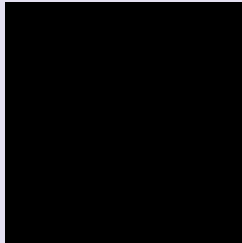
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 9.043, 301.994

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.043, 301.994.

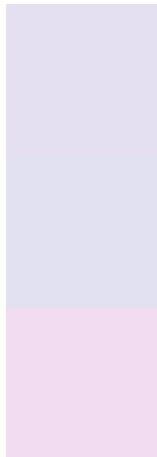


This preview shows how white text looks on a background with the CIELCh color 90, 9.043, 301.994.

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](#).

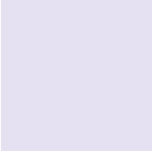
Dichromacy



Original Color
90, 9.043, 301.994

Protanopia
90, 8.856, 293.141

Deuteranopia
90, 13.683, 323.676



Tritanopia
90, 9.553, 301.416

Trichromacy



Original Color
90, 9.043, 301.994

Protanomaly
90, 8.881, 295.378

Deuteranomaly
90, 12.344, 318.016

Tritanomaly
90, 9.553, 301.416

Monochromacy



Original Color
90, 9.043, 301.994

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 3.214, 303.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.043, 301.994 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(229, 224, 241)` looks like.

```
.text, #text, p{  
    color:rgb(229, 224, 241)  
}
```

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(229, 224, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 224, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.043, 301.994 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(229, 224, 241) }
```

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

```
.border{ border-color:rgb(229, 224, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 224, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 224, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 224, 241);  
box-shadow:4px 4px 4px 4px rgb(229, 224,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.043, 301.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 224, 241) }
```

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

```
.background{ background-color: rgb(229,  
224, 241) }
```

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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