

Converting Colors

CIELCh(90, 9.553, 301.416)

Have a look what the booklet for
CIELCh(90, 9.553, 301.416) contains.

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Color

CIELCh(90, 9.553, 301.416)

Conversions

Conversions Part 1

Format	Color
Hex	E5E0F2
RGB	229, 224, 242
RGB Percent	90%, 88%, 95%
CMY	0.1023, 0.1219, 0.0514
CMYK	0.05, 0.07, 0.00, 0.05
HSL	257°, 41%, 91%
HSV	257°, 7%, 95%
XYZ	74.9212, 76.3034, 94.7031
YIQ	227.5470, -2.7980, 6.6580

Conversions

Conversions Part 2

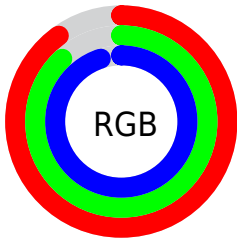
Format	Color
R _{YB}	229, 224, 242
Decimal	15065330
CIE Lab	90.00, 4.98, -8.15
CIE LCh	90, 9.553, 301.416
Yxy	76.3034, 0.3046, 0.3103
Android (android.graphics.Color)	4293255410 (0xFFE5E0F2)
YUV	227.5470, 7.1253, 1.2743
Hunter-Lab	87.3518, 0.2329, -3.1335

Details

The CIELCh color `90, 9.553, 301.416` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `95, 9.399, 120.523`, 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, 9.524, 302.118` is the 20% darker color. If you saturate the color by 10%, you get `83, 22.791, 302.106`, and if you desaturate by 10%, it is `97, 3.213, 120.827`.

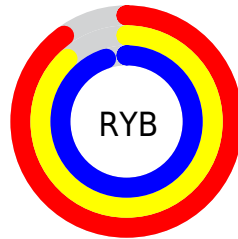
Distribution



Red (90%)

Green (88%)

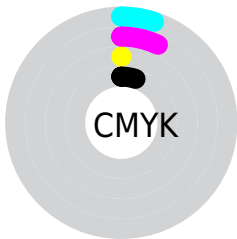
Blue (95%)



Red (90%)

Yellow (88%)

Blue (95%)

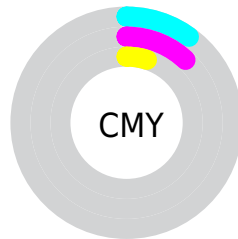


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (10%)

Magenta (12%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.553, 301.416 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, 9.553, 301.416 by changing the saturation by 10% instead.

■ 90, 9.553, 301.416

■ 90, 9.553, 301.416

■ 100, 9.553,
301.416

■ 80, 9.553, 301.416

■ 70, 9.553, 301.416

■ 60, 9.553, 301.416

■ 50, 9.553, 301.416

■ 40, 9.553, 301.416

■ 30, 9.553, 301.416

■ 20, 9.553, 301.416

■ 10, 9.553, 301.416

■ 0, 9.553, 301.416

90, 9.553, 301.416

90, 9.553, 301.416

83, 22.791,
302.106

97, 3.213, 120.827

75, 36.512,
302.894

100, 6.631,
109.670

68, 50.683,
303.774

61, 65.208,
304.735

54, 79.854,
305.739

47, 94.138,
306.712

42, 107.179,
307.524

37, 117.644,
307.993

■ 34, 124.191,
307.944

Harmonies

Complementary

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



90, 9.553, 301.416



95, 9.399, 120.523

Rectangle

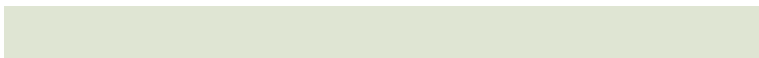
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 9.553, 301.416



90, 9.553, 351.416



90, 9.553, 121.416



90, 9.553, 171.416

Sweetspot

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



90, 9.551, 301.411



98, 2.662, 301.059



93, 5.156, 228.001



53, 1.513, 301.052



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, 9.551, 301.411



93, 12.093, 301.515



91, 10.580, 318.105



46, 7.267, 301.545



24, 101.835, 308.052



4, 38.690, 305.377

Inverse Universe

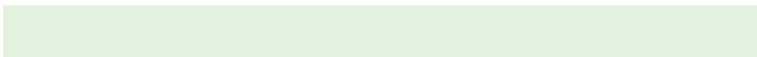
The Inverse Universe completely reimagines the original color for something new.



91, 9.335, 333.855



94, 11.802, 333.971



94, 10.519, 137.495



47, 7.089, 334.003



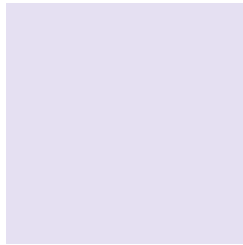
41, 73.190, 343.259



9, 32.811, 340.626

Previews

White Background



This preview shows how the CIELCh color 90, 9.553, 301.416 looks on a white background.

Color Contrast Check

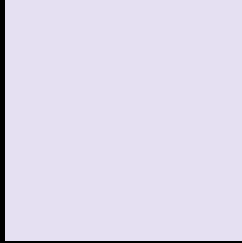
Large Text (above 18pt) WCAG AA × Fail

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, 9.553, 301.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

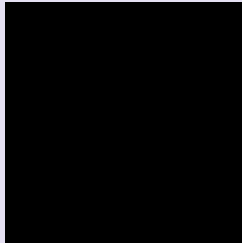
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

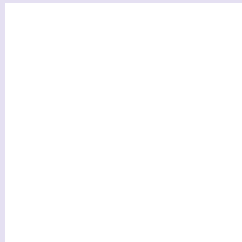
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.553, 301.416

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.553, 301.416.

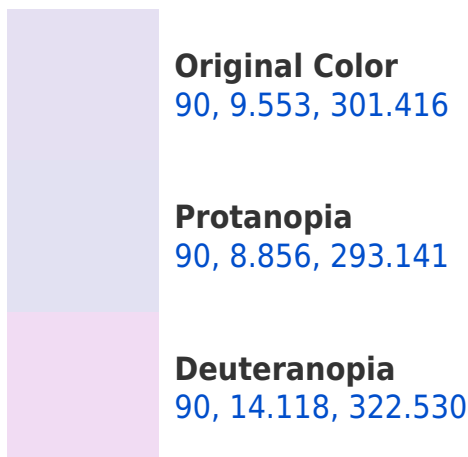


This preview shows how white text looks on a background with the CIELCh color 90, 9.553, 301.416.

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](#).

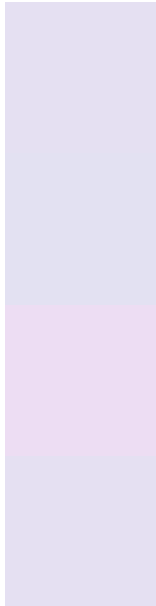
Dichromacy





Tritanopia
90, 9.553, 301.416

Trichromacy



Original Color
90, 9.553, 301.416

Protanomaly
90, 8.881, 295.378

Deuteranomaly
90, 12.806, 316.958

Tritanomaly
90, 9.553, 301.416

Monochromacy



Original Color
90, 9.553, 301.416

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, 9.553, 301.416 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(229, 224, 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(229, 224, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 224, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.553, 301.416 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, 242) }
```

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

```
.border{ border-color:rgb(229, 224, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 224, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 224, 242);  
box-shadow:4px 4px 4px 4px rgb(229, 224,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.553, 301.416 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, 242) }
```

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

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