

Converting Colors

CIELCh(90, 6.929, 318.679)

Have a look what the booklet for
CIELCh(90, 6.929, 318.679) contains.

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Color

CIELCh(90, 7.216, 319.997)

Conversions

Conversions Part 1

Format	Color
Hex	E9DFEB
RGB	233, 223, 235
RGB Percent	91%, 87%, 92%
CMY	0.0852, 0.1244, 0.0774
CMYK	0.01, 0.05, 0.00, 0.08
HSL	290°, 23%, 90%
HSV	290°, 5%, 92%
XYZ	75.1882, 76.3034, 89.5694
YIQ	227.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

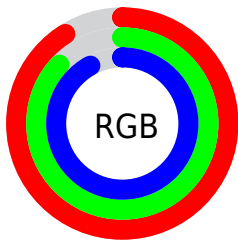
Format	Color
R _Y B	233, 223, 235
Decimal	15327211
CIE Lab	90.00, 5.53, -4.64
CIE LCh	90, 7.216, 319.997
Yxy	76.3034, 0.3119, 0.3165
Android (android.graphics.Color)	4293517291 (0xFFE9DFEB)
YUV	227.3580, 3.7675, 4.9480
Hunter-Lab	87.3518, 0.7786, 0.3510

Details

The CIELCh color `90, 7.216, 319.997` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 7.181, 139.595`, 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, 6.935, 319.595` is the 20% darker color. If you saturate the color by 10%, you get `84, 21.525, 320.478`, and if you desaturate by 10%, it is `96, 6.834, 139.618`.

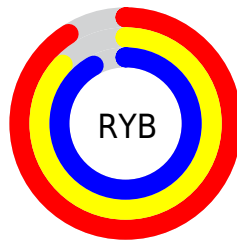
Distribution



Red (91%)

Green (87%)

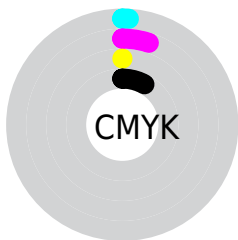
Blue (92%)



Red (91%)

Yellow (87%)

Blue (92%)

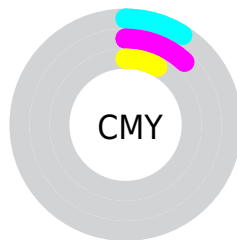


Cyan (1%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.216, 319.997 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, 7.216, 319.997 by changing the saturation by 10% instead.

90, 7.216, 319.997

90, 7.216, 319.997

100, 7.216,
319.997

80, 7.216, 319.997

70, 7.216, 319.997

60, 7.216, 319.997

50, 7.216, 319.997

40, 7.216, 319.997

30, 7.216, 319.997

20, 7.216, 319.997

10, 7.216, 319.997

0, 7.216, 319.997

90, 7.216, 319.997

90, 7.216, 319.997

84, 21.525,
320.478

96, 6.834, 139.618

78, 35.965,
320.942

99, 11.211,
135.539

72, 50.316,
321.387

99, 10.649,
128.912

67, 64.255,
321.791

99, 10.245,
121.598

62, 77.326,
322.125

99, 10.023,
113.769

58, 88.947,
322.353

100, 9.985,
109.421

54, 98.469,
322.433

52, 105.312,
322.328

■ 50,109.202,
322.010

Harmonies

Complementary

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



90, 7.216, 319.997



92, 7.181, 139.595

Rectangle

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



90, 7.216, 319.997



90, 7.216, 9.997



90, 7.216, 139.997



90, 7.216, 189.997

Sweetspot

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



90, 7.213, 319.995



99, 3.016, 319.803



90, 5.146, 282.003



53, 1.715, 319.794



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, 7.213, 319.995



96, 9.065, 320.043



90, 6.074, 335.256



47, 5.618, 320.073



38, 90.645, 321.899



7, 38.611, 322.749

Inverse Universe

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



90, 4.457, 6.146



96, 5.612, 6.253



92, 6.044, 154.676



47, 3.482, 6.320



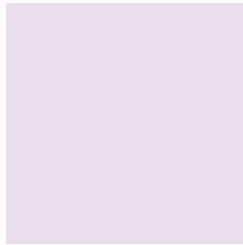
38, 73.404, 31.759



7, 27.974, 15.850

Previews

White Background



This preview shows how the CIELCh color 90, 7.216, 319.997 looks on a white background.

Color Contrast Check

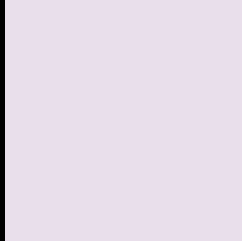
Large Text (above 18pt) WCAG AA × Fail

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, 7.216, 319.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

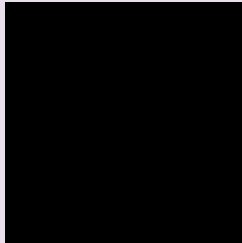
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

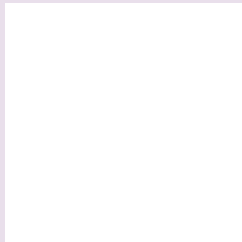
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.216, 319.997

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.216, 319.997.

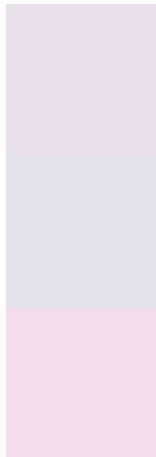


This preview shows how white text looks on a background with the CIELCh color 90, 7.216, 319.997.

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

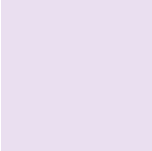
90, 7.216, 319.997

Protanopia

90, 5.779, 297.624

Deuteranopia

90, 11.968, 336.332



Tritanopia
90, 9.696, 314.309

Trichromacy



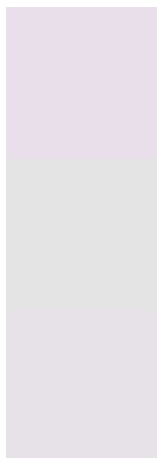
Original Color
90, 7.216, 319.997

Protanomaly
90, 6.514, 306.336

Deuteranomaly
90, 10.361, 331.363

Tritanomaly
90, 8.756, 317.021

Monochromacy



Original Color
90, 7.216, 319.997

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 2.984, 318.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.216, 319.997 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(233, 223, 235)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 235)  
}
```

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(233, 223, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.216, 319.997 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(233, 223, 235) }
```

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

```
.border{ border-color:rgb(233, 223, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 223, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 235);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.216, 319.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 235) }
```

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

```
.background{ background-color: rgb(233,  
223, 235) }
```

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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