

Converting Colors

CIELCh(90, 3.960, 222.963)

Have a look what the booklet for
CIELCh(90, 3.960, 222.963) contains.

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Color

CIELCh(90, 3.816, 223.485)

Conversions

Conversions Part 1

Format	Color
Hex	DAE4E7
RGB	218, 228, 231
RGB Percent	85%, 89%, 91%
CMY	0.1444, 0.1051, 0.0934
CMYK	0.06, 0.01, 0.00, 0.09
HSL	194°, 21%, 88%
HSV	194°, 6%, 91%
XYZ	71.2136, 76.3034, 86.7144
YIQ	225.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

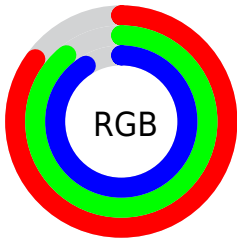
Format	Color
R _Y B	218, 224, 231
Decimal	14345447
CIE Lab	90.00, -2.77, -2.63
CIE LCh	90, 3.816, 223.485
Yxy	76.3034, 0.3040, 0.3258
Android (android.graphics.Color)	4292535527 (0xFFDAE4E7)
YUV	225.3520, 2.7845, -6.4477
Hunter-Lab	87.3518, -7.3435, 2.2889

Details

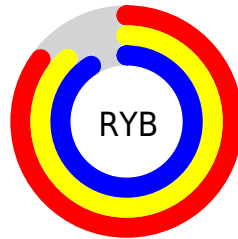
The CIELCh color `90, 3.816, 223.485` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89, 3.942, 42.725`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 3.826, 215.889` is the 20% darker color. If you saturate the color by 10%, you get `87, 10.338, 223.884`, and if you desaturate by 10%, it is `93, 3.025, 42.720`.

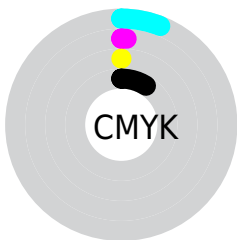
Distribution



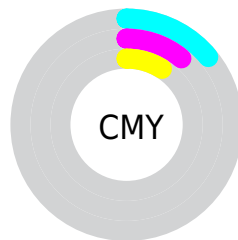
- Red (85%)
- Green (89%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.816, 223.485 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, 3.816, 223.485 by changing the saturation by 10% instead.

■ 90, 3.816, 223.485

■ 90, 3.816, 223.485

■ 100, 3.816,
223.485

■ 80, 3.816, 223.485

■ 70, 3.816, 223.485

■ 60, 3.816, 223.485

■ 50, 3.816, 223.485

■ 40, 3.816, 223.485

■ 30, 3.816, 223.485

■ 20, 3.816, 223.485

■ 10, 3.816, 223.485

■ 0, 3.816, 223.485

90, 3.816, 223.485

90, 3.816, 223.485

87, 10.338,
223.884

93, 3.025, 42.720

84, 16.452,
224.590

95, 7.026, 53.473

81, 22.063,
225.558

97, 7.676, 78.948

79, 27.071,
226.846

99, 11.969,
108.987

76, 31.386,
228.531

99, 12.052,
109.266

74, 34.942,
230.700

72, 37.719,
233.446

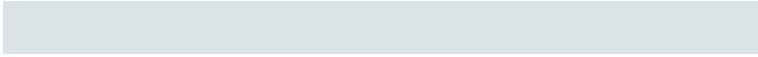
70, 39.768,
236.849

■ 68, 41.226,
240.938

Harmonies

Complementary

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



90, 3.816, 223.485



89, 3.942, 42.725

Rectangle

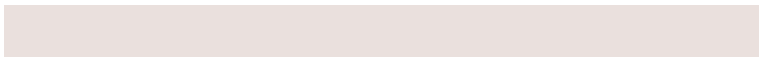
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



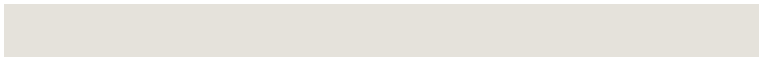
90, 3.816, 223.485



90, 3.816, 273.485



90, 3.816, 43.485



90, 3.816, 93.485

Sweetspot

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



90, 3.816, 223.451



99, 1.483, 223.575



91, 7.072, 150.805



53, 0.843, 223.594



0, 0.000, 0.000



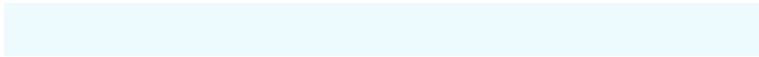
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.816, 223.451



98, 5.126, 223.485



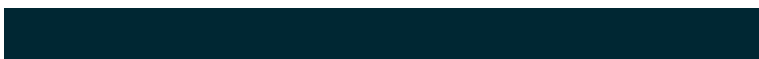
88, 5.013, 275.660



47, 3.051, 223.501



53, 34.316, 242.027



14, 14.072, 234.366

Inverse Universe

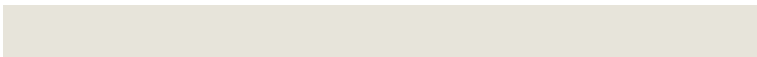
The Inverse Universe completely reimagines the original color for something new.



88, 7.028, 331.925



96, 9.480, 332.026



90, 4.987, 94.197



46, 5.652, 332.063



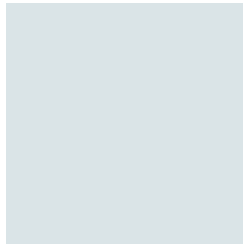
40, 74.084, 340.035



8, 31.888, 337.823

Previews

White Background



This preview shows how the CIE LCh color 90, 3.816, 223.485 looks on a white background.

Color Contrast Check

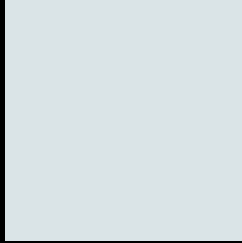
Large Text (above 18pt) WCAG AA × Fail

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, 3.816, 223.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

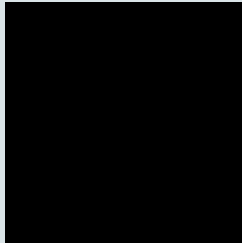
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

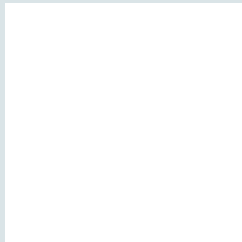
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.816, 223.485

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.816, 223.485.

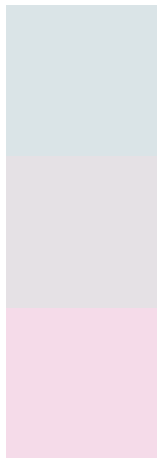


This preview shows how white text looks on a background with the CIELCh color 90, 3.816, 223.485.

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

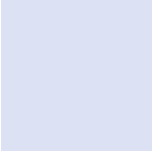
90, 3.816, 223.485

Protanopia

90, 2.543, 324.426

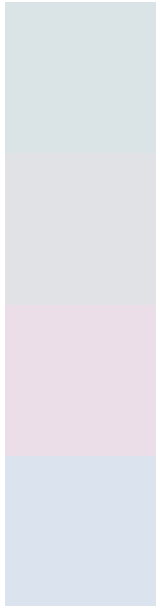
Deuteranopia

90, 11.852, 342.463



Tritanopia
90, 9.544, 278.487

Trichromacy



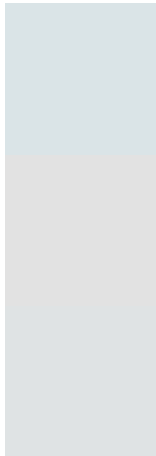
Original Color
90, 3.816, 223.485

Protanomaly
90, 2.112, 280.731

Deuteranomaly
90, 7.003, 331.929

Tritanomaly
90, 6.776, 266.583

Monochromacy



Original Color
90, 3.816, 223.485

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.505, 219.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.816, 223.485 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(218, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 231)  
}
```

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(218, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.816, 223.485 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(218, 228, 231) }
```

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

```
.border{ border-color:rgb(218, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.816, 223.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 231) }
```

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

```
.background{ background-color: rgb(218,  
228, 231) }
```

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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