

Converting Colors

CIELCh(90, 4.313, 242.614)

Have a look what the booklet for
CIELCh(90, 4.313, 242.614) contains.

CIELCh(90, 4.049, 239.347)	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, 4.049, 239.347)

Conversions

Conversions Part 1

Format	Color
Hex	DBE4E9
RGB	219, 228, 233
RGB Percent	86%, 89%, 91%
CMY	0.1418, 0.1065, 0.0869
CMYK	0.06, 0.02, 0.00, 0.09
HSL	201°, 24%, 89%
HSV	201°, 6%, 91%
XYZ	71.5455, 76.3034, 87.9229
YIQ	225.8790, -6.9690, -0.3530

Conversions

Conversions Part 2

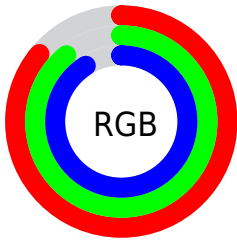
Format	Color
R _Y B	219, 224, 233
Decimal	14410985
CIE Lab	90.00, -2.06, -3.48
CIE LCh	90, 4.049, 239.347
Yxy	76.3034, 0.3035, 0.3236
Android (android.graphics.Color)	4292601065 (0xFFD _B E4E9)
YUV	225.8790, 3.5107, -6.0329
Hunter-Lab	87.3518, -6.6653, 1.4686

Details

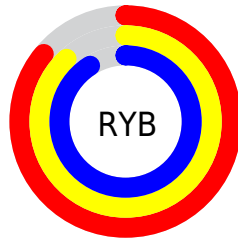
The CIELCh color `90, 4.049, 239.347` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 4.154, 57.960`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 3.931, 233.180` is the 20% darker color. If you saturate the color by 10%, you get `86, 10.593, 240.356`, and if you desaturate by 10%, it is `94, 2.714, 58.078`.

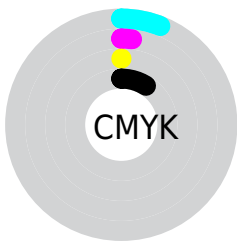
Distribution



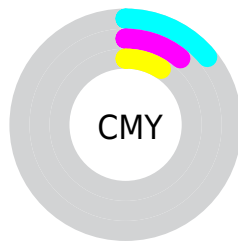
- Red (86%)
- Green (89%)
- Blue (91%)



- Red (86%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.049, 239.347 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, 4.049, 239.347 by changing the saturation by 10% instead.

■ 90, 4.049, 239.347

■ 90, 4.049, 239.347

■ 100, 4.049,
239.347

■ 80, 4.049, 239.347

■ 70, 4.049, 239.347

■ 60, 4.049, 239.347

■ 50, 4.049, 239.347

■ 40, 4.049, 239.347

■ 30, 4.049, 239.347

■ 20, 4.049, 239.347

■ 10, 4.049, 239.347

■ 0, 4.049, 239.347

90, 4.049, 239.347

90, 4.049, 239.347

86, 10.593,
240.356

94, 2.714, 58.078

83, 16.857,
241.726

97, 7.023, 76.868

79, 22.776,
243.437

99, 10.131,
104.845

76, 28.289,
245.562

99, 11.219,
109.329

72, 33.347,
248.185

69, 37.934,
251.387

66, 42.085,
255.230

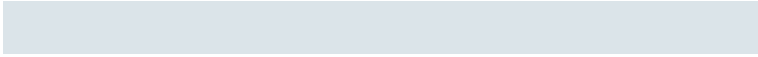
63, 45.900,
259.719

■ 61, 49.551,
264.754

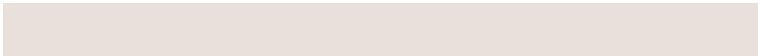
Harmonies

Complementary

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



90, 4.049, 239.347



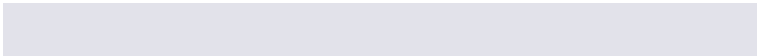
90, 4.154, 57.960

Rectangle

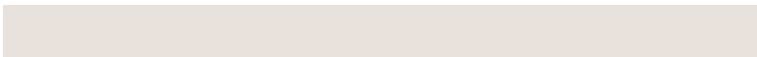
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



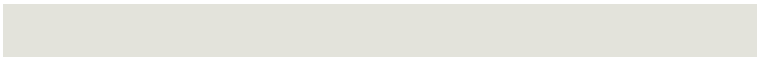
90, 4.049, 239.347



90, 4.049, 289.347



90, 4.049, 59.347



90, 4.049, 109.347

Sweetspot

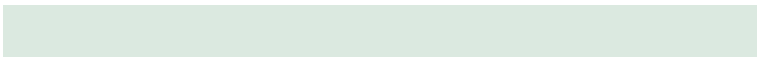
The Sweet Spot groups the original color and five complimentary colors.



90, 4.049, 239.315



99, 1.463, 239.185



91, 6.898, 156.003



53, 0.832, 239.196



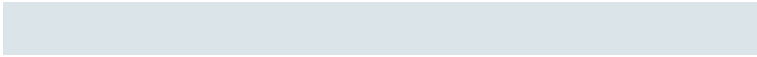
0, 0.000, 0.000



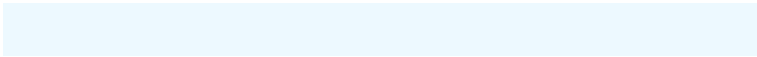
53, 0.007, 296.813

Same Dimension

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



90, 4.049, 239.315



97, 5.066, 239.400



88, 6.246, 283.948



48, 3.071, 239.449



47, 41.812, 265.868



12, 16.326, 256.912

Inverse Universe

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



89, 6.902, 337.055



95, 8.659, 337.139



91, 6.176, 102.573



47, 5.257, 337.182



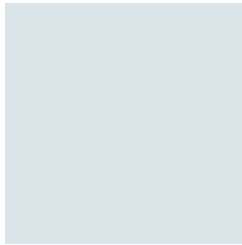
40, 69.044, 349.248



8, 30.483, 345.202

Previews

White Background



This preview shows how the CIELCh color 90, 4.049, 239.347 looks on a white background.

Color Contrast Check

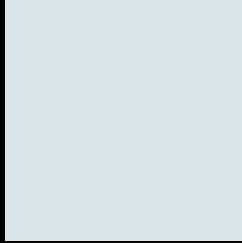
Large Text (above 18pt) WCAG AA × Fail

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, 4.049, 239.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

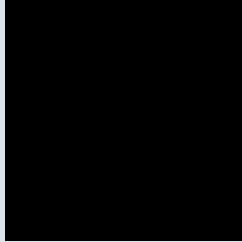
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

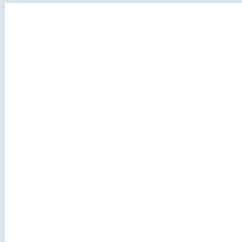
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.049, 239.347

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.049, 239.347.



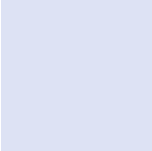
This preview shows how white text looks on a background with the CIELCh color 90, 4.049, 239.347.

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](#).

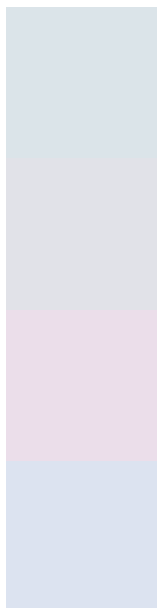
Dichromacy





Tritanopia
90, 9.483, 280.509

Trichromacy



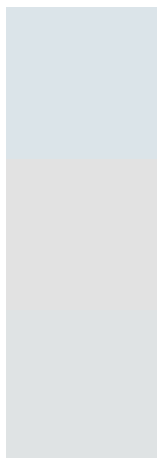
Original Color
90, 4.049, 239.347

Protanomaly
90, 3.140, 284.005

Deuteranomaly
90, 7.806, 326.859

Tritanomaly
90, 7.134, 270.904

Monochromacy



Original Color
90, 4.049, 239.347

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, 4.049, 239.347 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(219, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(219, 228, 233)  
}
```

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(219, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 228, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.049, 239.347 is called "border". The border property can be set on classes, ids or directly on the HTML element.

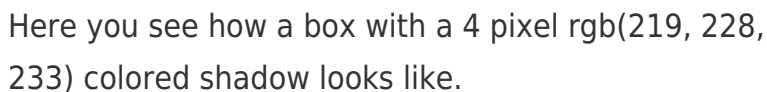
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 228, 233) }
```

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

```
.border{ border-color:rgb(219, 228, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 228, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 228, 233); box-shadow:4px 4px 4px 4px rgb(219, 228, 233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.049, 239.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 228, 233) }
```

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

```
.background{ background-color: rgb(219,  
228, 233) }
```

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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