

Converting Colors

CIELCh(90, 0.985, 239.656)

Have a look what the booklet for
CIELCh(90, 0.985, 239.656) contains.

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Color

CIELCh(90, 0.879, 236.413)

Conversions

Conversions Part 1

Format	Color
Hex	E1E3E4
RGB	225, 227, 228
RGB Percent	88%, 89%, 89%
CMY	0.1189, 0.1110, 0.1071
CMYK	0.01, 0.00, 0.00, 0.11
HSL	200°, 5%, 89%
HSV	200°, 1%, 89%
XYZ	72.2927, 76.3034, 84.0840
YIQ	226.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

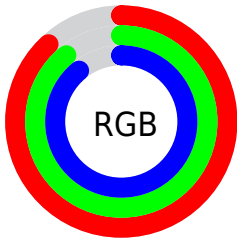
Format	Color
R _Y B	225, 226, 228
Decimal	14803940
CIE Lab	90.00, -0.49, -0.73
CIE LCh	90, 0.879, 236.413
Yxy	76.3034, 0.3107, 0.3279
Android (android.graphics.Color)	4292994020 (0xFFE1E3E4)
YUV	226.5160, 0.7316, -1.3295
Hunter-Lab	87.3518, -5.1382, 4.0743

Details

The CIELCh color $90, 0.879, 236.413$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $90, 0.874, 54.823$, 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 $70, 0.924, 236.307$ is the 20% darker color. If you saturate the color by 10%, you get $86, 7.382, 236.639$, and if you desaturate by 10%, it is $94, 5.834, 54.812$.

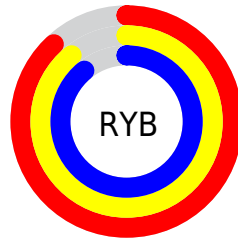
Distribution



Red (88%)

Green (89%)

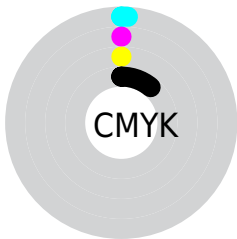
Blue (89%)



Red (88%)

Yellow (89%)

Blue (89%)

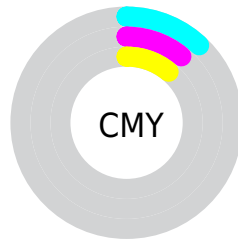


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 0.879, 236.413 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, 0.879, 236.413 by changing the saturation by 10% instead.

■ 90, 0.879, 236.413

■ 90, 0.879, 236.413

■ 100, 0.879,
236.413

■ 80, 0.879, 236.413

■ 70, 0.879, 236.413

■ 60, 0.879, 236.413

■ 50, 0.879, 236.413

■ 40, 0.879, 236.413

■ 30, 0.879, 236.413

■ 20, 0.879, 236.413

■ 10, 0.879, 236.413

■ 0, 0.879, 236.413

90, 0.879, 236.413

90, 0.879, 236.413

86, 7.382, 236.639

94, 5.834, 54.812

83, 13.614,
237.756

96, 8.649, 75.859

80, 19.505,
239.185

98, 11.195, 98.779

99, 13.824,
109.133

76, 24.986,
240.981

73, 29.992,
243.224

70, 34.482,
246.004

67, 38.453,
249.403

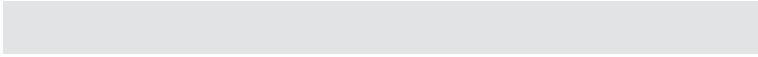
65, 41.964,
253.473

■ 62, 45.147,
258.192

Harmonies

Complementary

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



90, 0.879, 236.413



90, 0.874, 54.823

Rectangle

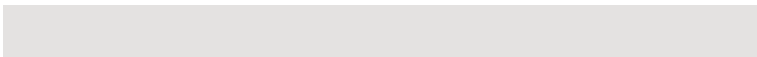
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 0.879, 236.413



90, 0.879, 286.413



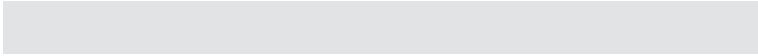
90, 0.879, 56.413



90, 0.879, 106.413

Sweetspot

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



90, 0.879, 236.256

100, 0.012, 296.813



90, 1.510, 155.129



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

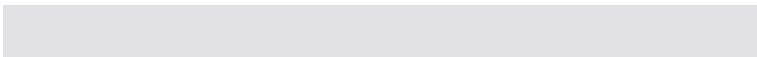
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 0.879, 236.256



99, 1.458, 236.104



90, 1.295, 281.658



48, 0.761, 236.119



48, 39.499, 261.715



12, 15.264, 252.335

Inverse Universe

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



90, 1.511, 335.450



99, 2.512, 335.586



90, 1.273, 101.113



48, 1.310, 335.567



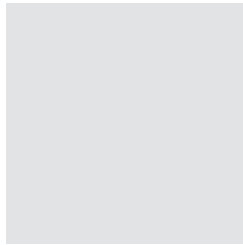
39, 69.294, 347.253



7, 29.952, 343.463

Previews

White Background



This preview shows how the CIELCh color 90, 0.879, 236.413 looks on a white background.

Color Contrast Check

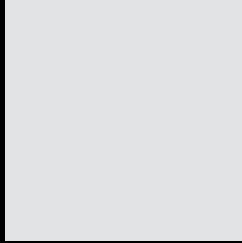
Large Text (above 18pt) WCAG AA × Fail

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, 0.879, 236.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

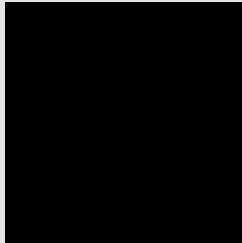
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

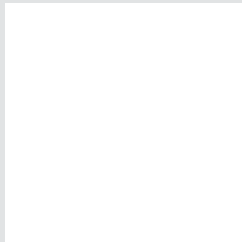
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 0.879, 236.413

Background



This preview shows how black text looks on a background with the CIELCh color 90, 0.879, 236.413.

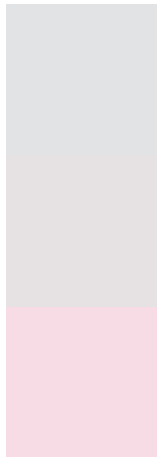


This preview shows how white text looks on a background with the CIELCh color 90, 0.879, 236.413.

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, 0.879, 236.413

Protanopia

90, 2.084, 349.371

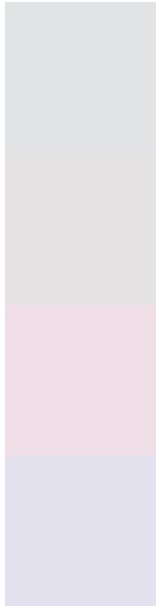
Deuteranopia

90, 11.384, 353.156



Tritanopia
90, 9.443, 297.265

Trichromacy



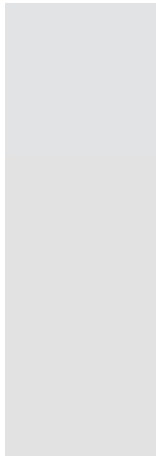
Original Color
90, 0.879, 236.413

Protanomaly
90, 0.895, 343.223

Deuteranomaly
90, 7.133, 349.264

Tritanomaly
90, 6.261, 293.896

Monochromacy



Original Color
90, 0.879, 236.413

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 0.530, 290.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 0.879, 236.413 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(225, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(225, 227, 228)  
}
```

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(225, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 227, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 0.879, 236.413 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(225, 227, 228) }
```

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

```
.border{ border-color:rgb(225, 227, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 227, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(225, 227,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 0.879, 236.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 227, 228) }
```

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

```
.background{ background-color: rgb(225,  
227, 228) }
```

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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