

Converting Colors

CIELCh(90, 2.937, 171.393)

Have a look what the booklet for
CIELCh(90, 2.937, 171.393) contains.

CIELCh(90, 2.951, 167.585)	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, 2.951, 167.585)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4E1
RGB	221, 228, 225
RGB Percent	87%, 89%, 88%
CMY	0.1333, 0.1058, 0.1176
CMYK	0.03, 0.00, 0.01, 0.11
HSL	154°, 11%, 88%
HSV	154°, 3%, 89%
XYZ	71.1603, 76.3034, 82.2191
YIQ	225.5650, -3.2090, -2.4170

Conversions

Conversions Part 2

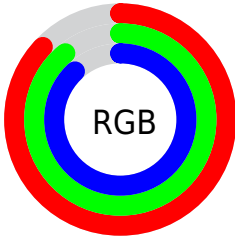
Format	Color
R _Y B	221, 225, 228
Decimal	14542049
CIE Lab	90.00, -2.88, 0.63
CIE LCh	90, 2.951, 167.585
Yxy	76.3034, 0.3098, 0.3322
Android (android.graphics.Color)	4292732129 (0xFFDDE4E1)
YUV	225.5650, -0.2785, -4.0035
Hunter-Lab	87.3518, -7.4523, 5.3400

Details

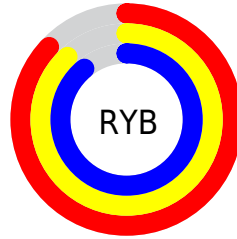
The CIELCh color **90, 2.951, 167.585** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **89, 2.981, 347.777**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 3.108, 167.470** is the 20% darker color. If you saturate the color by 10%, you get **88, 12.571, 166.536**, and if you desaturate by 10%, it is **92, 6.668, 348.168**.

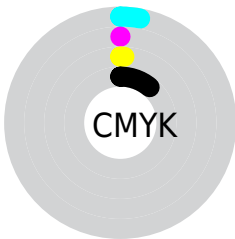
Distribution



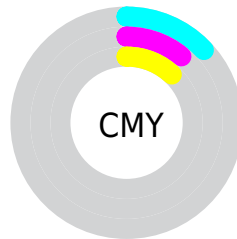
- Red (87%)
- Green (89%)
- Blue (88%)



- Red (87%)
- Yellow (88%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.951, 167.585 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, 2.951, 167.585 by changing the saturation by 10% instead.

90, 2.951, 167.585

90, 2.951, 167.585

100, 2.951,
167.585

80, 2.951, 167.585

70, 2.951, 167.585

60, 2.951, 167.585

50, 2.951, 167.585

40, 2.951, 167.585

30, 2.951, 167.585

20, 2.951, 167.585

10, 2.951, 167.585

0, 2.951, 167.585

90, 2.951, 167.585

90, 2.951, 167.585

88, 12.571,
166.536

92, 6.668, 348.168

87, 22.073,
165.522

93, 12.859,
338.775

85, 31.320,
164.410

93, 16.594,
325.661

84, 40.159,
163.171

93, 16.867,
325.009

83, 48.424,
161.779

82, 55.960,
160.210

81, 62.646,
158.439

81, 68.416,
156.453

■ 80, 73.290,
154.258

Harmonies

Complementary

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



90, 2.951, 167.585



89, 2.981, 347.777

Rectangle

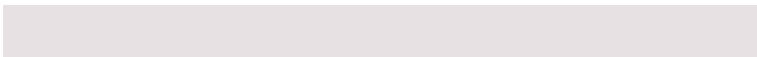
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



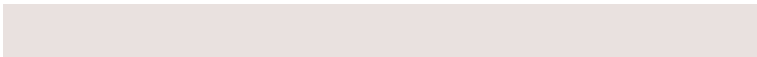
90, 2.951, 167.585



90, 2.951, 217.585



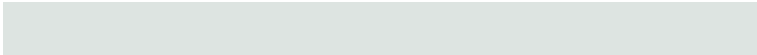
90, 2.951, 347.585



90, 2.951, 37.585

Sweetspot

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



90, 2.953, 167.567



100, 1.048, 168.078



90, 3.908, 131.275



53, 0.595, 168.109



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

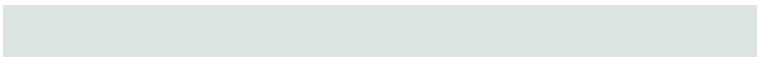
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.953, 167.567



99, 4.213, 167.446



90, 2.322, 205.508



48, 2.747, 167.365



64, 63.019, 153.080



18, 24.483, 157.280

Inverse Universe

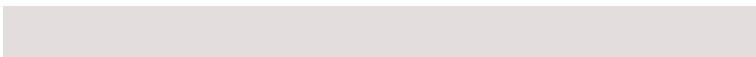
The Inverse Universe completely reimagines the original color for something new.



89, 2.981, 347.777



97, 4.255, 347.899



89, 2.368, 25.199



47, 2.776, 347.980



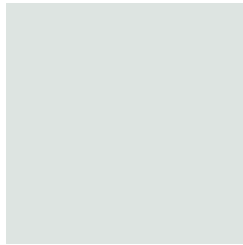
38, 64.649, 8.725



7, 27.058, 0.267

Previews

White Background



This preview shows how the CIELCh color 90, 2.951, 167.585 looks on a white background.

Color Contrast Check

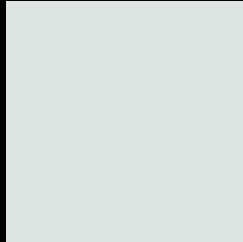
Large Text (above 18pt) WCAG AA × Fail

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, 2.951, 167.585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

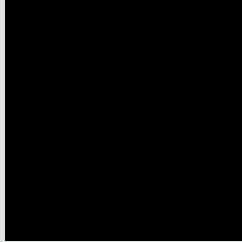
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

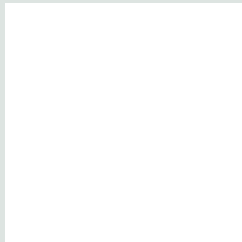
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.951, 167.585

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.951, 167.585.

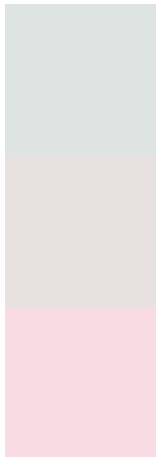


This preview shows how white text looks on a background with the CIELCh color 90, 2.951, 167.585.

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](#).

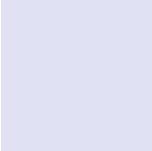
Dichromacy



Original Color
90, 2.951, 167.585

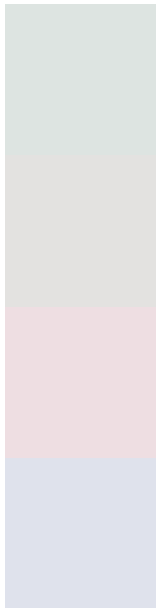
Protanopia
90, 2.385, 45.019

Deuteranopia
90, 11.315, 358.749



Tritanopia
90, 9.365, 288.830

Trichromacy



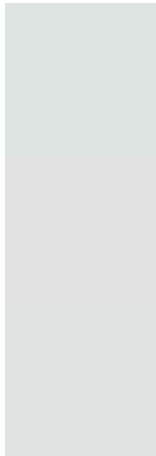
Original Color
90, 2.951, 167.585

Protanomaly
90, 1.084, 90.719

Deuteranomaly
90, 6.149, 0.060

Tritanomaly
90, 5.290, 279.186

Monochromacy



Original Color
90, 2.951, 167.585

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.189, 174.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.951, 167.585 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(221, 228, 225)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 225)  
}
```

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(221, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.951, 167.585 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(221, 228, 225) }
```

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

```
.border{ border-color:rgb(221, 228, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 228, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 228, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 228, 225); box-shadow:4px 4px 4px 4px rgb(221, 228, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.951, 167.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 225) }
```

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

```
.background{ background-color: rgb(221,  
228, 225) }
```

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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