

Converting Colors

CIELCh(90, 4.880, 8.069)

Have a look what the booklet for
CIELCh(90, 4.880, 8.069) contains.

CIELCh(90, 5.169, 8.103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 5.169, 8.103)

Conversions

Conversions Part 1

Format	Color
Hex	EDDFE1
RGB	237, 223, 225
RGB Percent	93%, 87%, 88%
CMY	0.0701, 0.1250, 0.1172
CMYK	0.00, 0.06, 0.05, 0.07
HSL	351°, 28%, 90%
HSV	351°, 6%, 93%
XYZ	74.9883, 76.3034, 82.0917
YIQ	227.4140, 7.7020, 3.5900

Conversions

Conversions Part 2

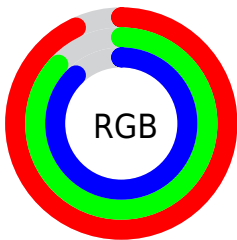
Format	Color
R_{YB}	237, 223, 225
Decimal	15589345
CIE Lab	90.00, 5.12, 0.73
CIE LCh	90, 5.169, 8.103
Yxy	76.3034, 0.3213, 0.3269
Android (android.graphics.Color)	4293779425 (0xFFEDDFE1)
YUV	227.4140, -1.1901, 8.4069
Hunter-Lab	87.3518, 0.3701, 5.4265

Details

The CIELCh color **90, 5.169, 8.103** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **93, 5.025, 187.348**, 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, 5.081, 7.367** is the 20% darker color. If you saturate the color by 10%, you get **84, 14.343, 9.193**, and if you desaturate by 10%, it is **96, 3.469, 187.571**.

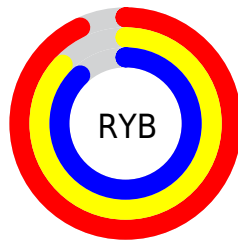
Distribution



Red (93%)

Green (87%)

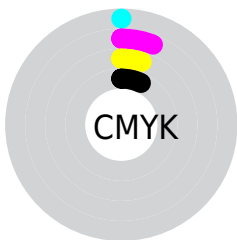
Blue (88%)



Red (93%)

Yellow (87%)

Blue (88%)

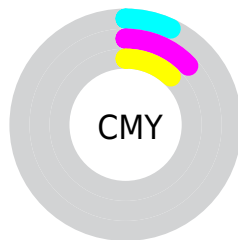


Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 5.169, 8.103 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, 5.169, 8.103 by changing the saturation by 10% instead.

90, 5.169, 8.103

90, 5.169, 8.103

100, 5.169, 8.103

80, 5.169, 8.103

70, 5.169, 8.103

60, 5.169, 8.103

50, 5.169, 8.103

40, 5.169, 8.103

30, 5.169, 8.103

20, 5.169, 8.103

10, 5.169, 8.103

0, 5.169, 8.103

90, 5.169, 8.103

90, 5.169, 8.103

84, 14.343, 9.193

96, 3.469, 187.571

78, 24.036, 10.414

99, 6.138, 199.125

72, 34.162, 11.903

66, 44.551, 13.761

61, 54.927, 16.113

57, 64.932, 19.104

54, 74.194, 22.858

51, 82.451, 27.378

50, 89.541, 32.352

Harmonies

Complementary

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



90, 5.169, 8.103



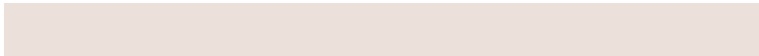
93, 5.025, 187.348

Rectangle

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



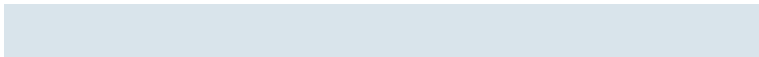
90, 5.169, 8.103



90, 5.169, 58.103



90, 5.169, 188.103



90, 5.169, 238.103

Sweetspot

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



90, 5.167, 8.122



99, 1.837, 7.551



90, 8.449, 320.528



53, 1.044, 7.524



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

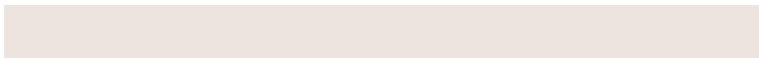
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 5.167, 8.122



95, 6.521, 8.244



91, 4.136, 57.128



46, 3.963, 8.302



38, 74.584, 33.338



7, 28.032, 16.856

Inverse Universe

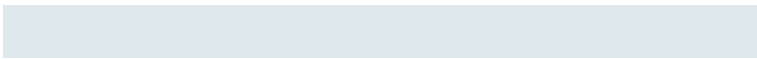
The Inverse Universe completely reimagines the original color for something new.



90, 5.167, 8.122



95, 6.521, 8.244



92, 4.030, 238.441



46, 3.963, 8.302



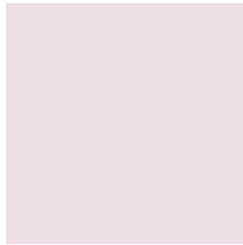
38, 74.584, 33.338



7, 28.032, 16.856

Previews

White Background



This preview shows how the CIELCh color 90, 5.169, 8.103 looks on a white background.

Color Contrast Check

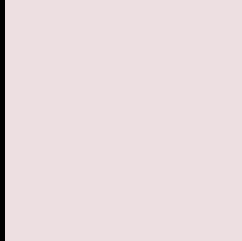
Large Text (above 18pt) WCAG AA × Fail

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, 5.169, 8.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

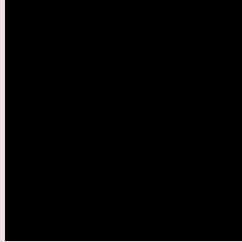
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

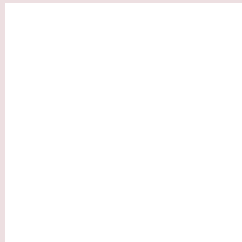
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 5.169, 8.103

Background



This preview shows how black text looks on a background with the CIELCh color 90, 5.169, 8.103.

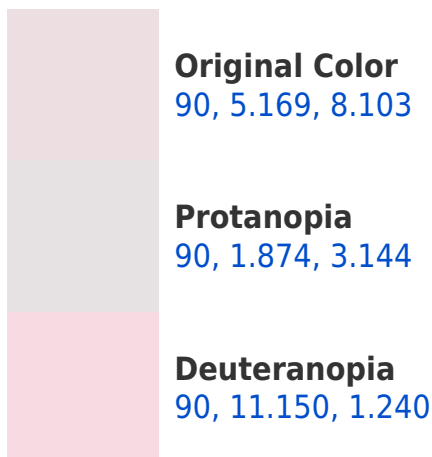


This preview shows how white text looks on a background with the CIELCh color 90, 5.169, 8.103.

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](#).

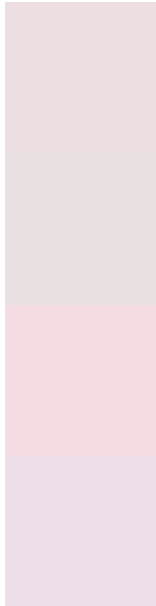
Dichromacy





Tritanopia
90, 10.948, 326.363

Trichromacy



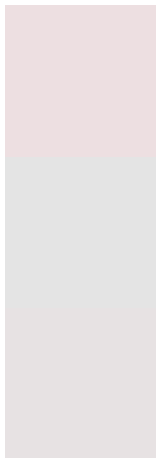
Original Color
90, 5.169, 8.103

Protanomaly
90, 3.409, 1.760

Deuteranomaly
90, 9.248, 0.404

Tritanomaly
90, 8.116, 335.212

Monochromacy



Original Color
90, 5.169, 8.103

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 1.873, 3.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 5.169, 8.103 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(237, 223, 225)` looks like.

```
.text, #text, p{  
    color:rgb(237, 223, 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(237, 223, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 223, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 5.169, 8.103 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(237, 223, 225) }
```

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

```
.border{ border-color:rgb(237, 223, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 223, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 223, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 223, 225);  
box-shadow:4px 4px 4px 4px rgb(237, 223,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 5.169, 8.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 223, 225) }
```

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

```
.background{ background-color: rgb(237,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor