

# Converting Colors

CIELCh(90, 1.874, 3.144)

Have a look what the booklet for  
CIELCh(90, 1.874, 3.144) contains.

<b>CIELCh(90, 1.874, 3.144)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(90, 1.874, 3.144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E1E2
RGB	230, 225, 226
RGB Percent	90%, 88%, 89%
CMY	0.0973, 0.1169, 0.1130
CMYK	0.00, 0.02, 0.02, 0.10
HSL	348°, 9%, 89%
HSV	348°, 2%, 90%
XYZ	73.4188, 76.3034, 82.9413
YIQ	226.6090, 2.6590, 1.3710

# Conversions

## Conversions Part 2

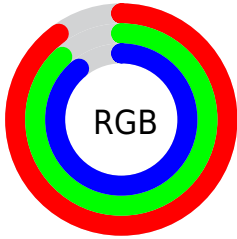
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 225, 226
Decimal	15131106
CIE Lab	90.00, 1.87, 0.10
CIE LCh	90, 1.874, 3.144
Yxy	76.3034, 0.3156, 0.3280
Android (android.graphics.Color)	4293321186 (0xFFE6E1E2)
YUV	226.6090, -0.3002, 2.9739
Hunter-Lab	87.3518, -2.8373, 4.8499

# Details

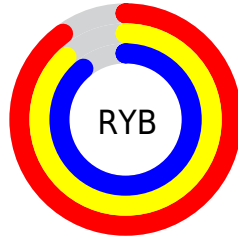
The CIELCh color **90, 1.874, 3.144** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 1.848, 183.412**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 1.975, 3.270** is the 20% darker color. If you saturate the color by 10%, you get **84, 10.767, 4.416**, and if you desaturate by 10%, it is **96, 6.547, 182.741**.

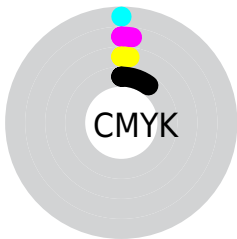
# Distribution



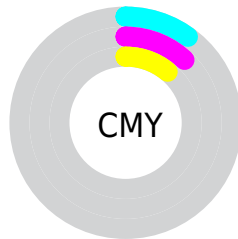
- Red (90%)
- Green (88%)
- Blue (89%)



- Red (90%)
- Yellow (88%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 1.874, 3.144 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, 1.874, 3.144 by changing the saturation by 10% instead.



■ 90, 1.874, 3.144

■ 90, 1.874, 3.144

100, 1.874, 3.144

■ 80, 1.874, 3.144

■ 70, 1.874, 3.144

■ 60, 1.874, 3.144

■ 50, 1.874, 3.144

■ 40, 1.874, 3.144

■ 30, 1.874, 3.144

■ 20, 1.874, 3.144

■ 10, 1.874, 3.144

■ 0, 1.874, 3.144

90, 1.874, 3.144

90, 1.874, 3.144

84, 10.767, 4.416

96, 6.547, 182.741

78, 20.116, 5.592

98, 8.460, 198.949

72, 29.841, 6.987

66, 39.787, 8.691

61, 49.701, 10.816

57, 59.227, 13.502

53, 67.974, 16.906

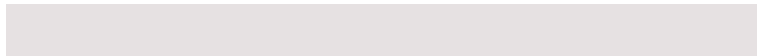
51, 75.636, 21.149

49, 82.146, 26.189

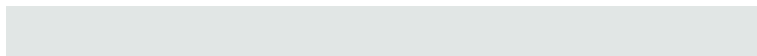
# Harmonies

# Complementary

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



90, 1.874, 3.144



91, 1.848, 183.412

# Rectangle

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



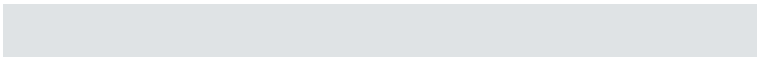
90, 1.874, 3.144



90, 1.874, 53.144



90, 1.874, 183.144



90, 1.874, 233.144

# Sweetspot

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



90, 1.872, 3.191



99, 0.937, 2.735



90, 2.983, 318.830



53, 0.533, 2.697



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

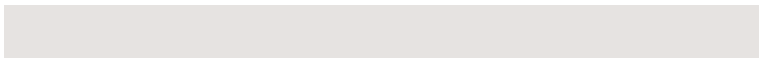
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 1.872, 3.191



98, 2.817, 3.353



90, 1.464, 51.031



47, 1.962, 3.467



37, 71.045, 29.351



7, 26.668, 13.440



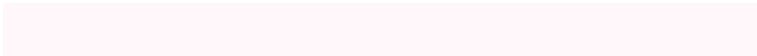


# Inverse Universe

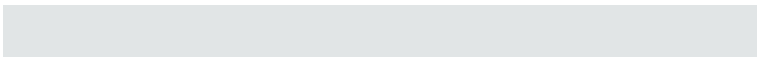
The Inverse Universe completely reimagines the original color for something new.



90, 1.872, 3.191



98, 2.817, 3.353



91, 1.456, 232.090



47, 1.962, 3.467



37, 71.045, 29.351

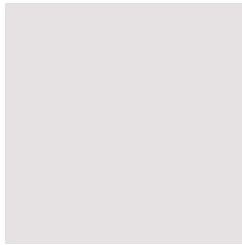


7, 26.668, 13.440



# Previews

## White Background



This preview shows how the CIELCh color 90, 1.874, 3.144 looks on a white background.

## Color Contrast Check

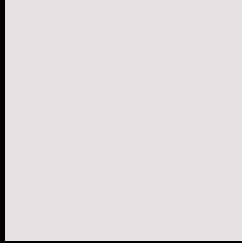
Large Text (above 18pt) WCAG AA × Fail

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, 1.874, 3.144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

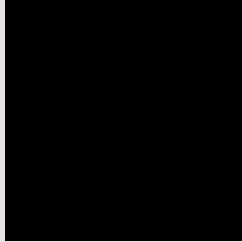
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

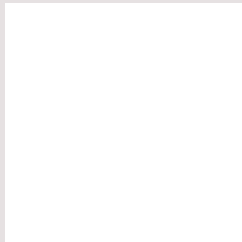
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 90, 1.874, 3.144**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 90, 1.874, 3.144.

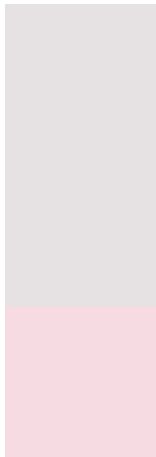


This preview shows how white text looks on a background with the CIELCh color 90, 1.874, 3.144.

# 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

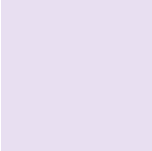
90, 1.874, 3.144

### Protanopia

90, 1.874, 3.144

### Deuteranopia

90, 10.975, 358.012



**Tritanopia**  
90, 9.924, 309.388



# Trichromacy



## Original Color

90, 1.874, 3.144

## Protanomaly

90, 1.874, 3.144

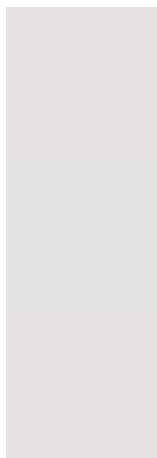
## Deuteranomaly

90, 7.880, 356.680

## Tritanomaly

90, 6.746, 312.113

# Monochromacy



## Original Color

90, 1.874, 3.144

## Achromatopsia

90, 0.011, 296.813

## Achromatomaly

90, 0.895, 343.223

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 1.874, 3.144 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(230, 225, 226)` looks like.

```
.text, #text, p{  
    color:rgb(230, 225, 226)  
}
```

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(230, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 225, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 1.874, 3.144 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(230, 225, 226) }
```

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

```
.border{ border-color:rgb(230, 225, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 225, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(230, 225,  
226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 1.874, 3.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 225, 226) }
```

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

```
.background{ background-color: rgb(230,  
225, 226) }
```

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