

Converting Colors

CIELCh(90, 8.064, 109.503)

Have a look what the booklet for
CIELCh(90, 8.064, 109.503) contains.

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Color

CIELCh(90, 7.762, 109.534)

Conversions

Conversions Part 1

Format	Color
Hex	E3E3D4
RGB	227, 227, 212
RGB Percent	89%, 89%, 83%
CMY	0.1083, 0.1083, 0.1672
CMYK	0.00, 0.00, 0.07, 0.11
HSL	60°, 21%, 86%
HSV	60°, 7%, 89%
XYZ	71.2952, 76.3034, 73.4989
YIQ	225.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

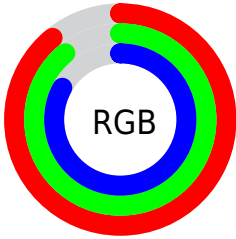
Format	Color
RYB	212, 227, 212
Decimal	14934996
CIELab	90.00, -2.60, 7.32
CIElCh	90, 7.762, 109.534
Yxy	76.3034, 0.3225, 0.3451
Android (android.graphics.Color)	4293125076 (0xFFE3E3D4)
YUV	225.2900, -6.5520, 1.4997
Hunter-Lab	87.3518, -7.1767, 11.2589

Details

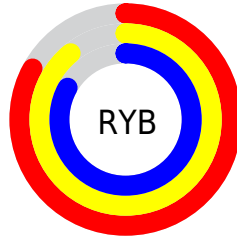
The CIELCh color **90, 7.762, 109.534** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 7.894, 290.863**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 8.174, 109.347** is the 20% darker color. If you saturate the color by 10%, you get **90, 19.490, 108.579**, and if you desaturate by 10%, it is **91, 4.018, 290.530**.

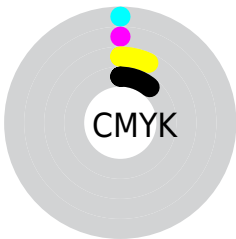
Distribution



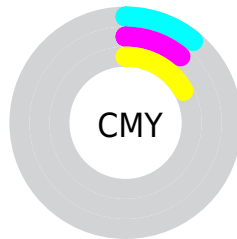
- Red (89%)
- Green (89%)
- Blue (83%)



- Red (83%)
- Yellow (89%)
- Blue (83%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.762, 109.534 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, 7.762, 109.534 by changing the saturation by 10% instead.

■ 90, 7.762, 109.534

■ 90, 7.762, 109.534

■ 100, 7.762,
109.534

■ 80, 7.762, 109.534

■ 70, 7.762, 109.534

■ 60, 7.762, 109.534

■ 50, 7.762, 109.534

■ 40, 7.762, 109.534

■ 30, 7.762, 109.534

■ 20, 7.762, 109.534

■ 10, 7.762, 109.534

■ 0, 7.762, 109.534

90, 7.762, 109.534

90, 7.762, 109.534

90, 19.490,
108.579

91, 4.018, 290.530

89, 31.086,
107.608

91, 14.335,
291.335

89, 42.435,
106.653

91, 14.336,
291.344

88, 53.358,
105.736

91, 14.336,
291.352

88, 63.576,
104.889

91, 14.336,
291.360

88, 72.685,
104.145

91, 14.336,
291.369

88, 80.156,
103.548

91, 14.336,
291.377

88, 85.439,
103.133

91, 14.336,
291.386

■ 88, 88.241,
102.917

■ 91, 14.336,
291.394

Harmonies

Complementary

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



90, 7.762, 109.534



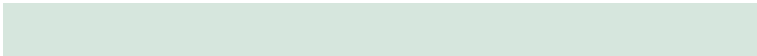
85, 7.894, 290.863

Rectangle

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



90, 7.762, 109.534



90, 7.762, 159.534



90, 7.762, 289.534



90, 7.762, 339.534

Sweetspot

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



90, 7.764, 109.546



100, 2.575, 109.967



86, 5.493, 19.704



53, 1.464, 109.975



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, 7.764, 109.546



100, 10.326, 109.407



89, 8.267, 128.795



48, 6.730, 109.272



71, 74.153, 102.869



20, 29.318, 103.670

Inverse Universe

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



85, 7.894, 290.863



93, 10.528, 291.018



86, 8.356, 309.345



44, 6.881, 291.172



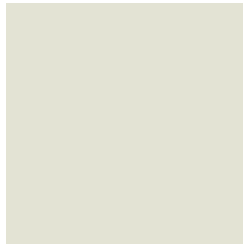
21, 102.390, 306.288



2, 33.678, 296.782

Previews

White Background



This preview shows how the CIELCh color 90, 7.762, 109.534 looks on a white background.

Color Contrast Check

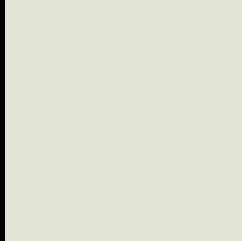
Large Text (above 18pt) WCAG AA × Fail

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, 7.762, 109.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

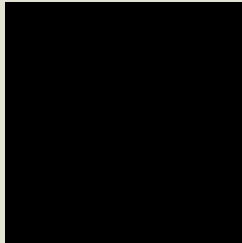
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

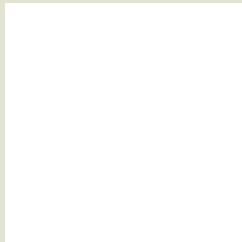
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.762, 109.534

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.762, 109.534.

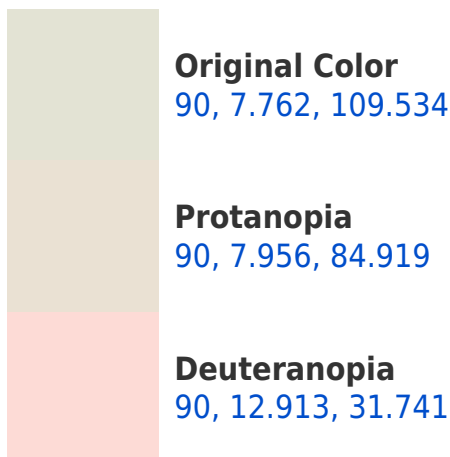


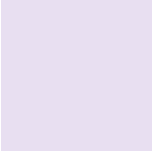
This preview shows how white text looks on a background with the CIELCh color 90, 7.762, 109.534.

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](#).

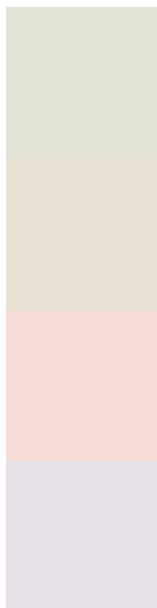
Dichromacy





Tritanopia
90, 9.924, 309.388

Trichromacy



Original Color
90, 7.762, 109.534

Protanomaly
90, 8.057, 93.622

Deuteranomaly
90, 9.383, 49.531

Tritanomaly
90, 3.615, 319.850

Monochromacy



Original Color
90, 7.762, 109.534

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.584, 109.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.762, 109.534 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(227, 227, 212)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 212)  
}
```

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(227, 227, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.762, 109.534 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(227, 227, 212) }
```

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

```
.border{ border-color:rgb(227, 227, 212) }
```

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

Here you see how a box with a 4 pixel rgb(227, 227, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 212);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.762, 109.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 212) }
```

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

```
.background{ background-color: rgb(227,  
227, 212) }
```

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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