

Converting Colors

CIELCh(75, 12.586, 128.564)

Have a look what the booklet for
CIELCh(75, 12.586, 128.564)
contains.

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Color

CIELCh(75, 12.574, 128.561)

Conversions

Conversions Part 1

Format	Color
Hex	B1BCA6
RGB	177, 188, 166
RGB Percent	69%, 74%, 65%
CMY	0.3045, 0.2613, 0.3476
CMYK	0.06, 0.00, 0.12, 0.26
HSL	90°, 14%, 70%
HSV	90°, 12%, 74%
XYZ	43.1907, 48.2781, 43.2905
YIQ	182.2030, 0.5060, -9.1740

Conversions

Conversions Part 2

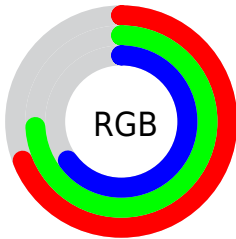
Format	Color
RYB	166, 188, 177
Decimal	11648166
CIELab	75.00, -7.84, 9.83
CIELCh	75, 12.574, 128.561
Yxy	48.2781, 0.3205, 0.3583
Android (android.graphics.Color)	4289838246 (0xFFB1BCA6)
YUV	182.2030, -7.9881, -4.5630
Hunter-Lab	69.4824, -10.6377, 11.6975

Details

The CIELCh color **75, 12.574, 128.561** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70, 12.781, 309.586**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.451, 127.889**, and **55, 12.835, 129.238** is the 20% darker color. If you saturate the color by 10%, you get **74, 23.347, 128.090**, and if you desaturate by 10%, it is **76, 1.802, 129.062**.

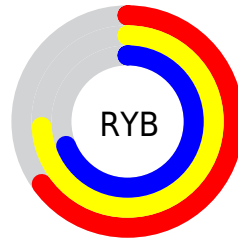
Distribution



Red (69%)

Green (74%)

Blue (65%)



Red (65%)

Yellow (74%)

Blue (69%)

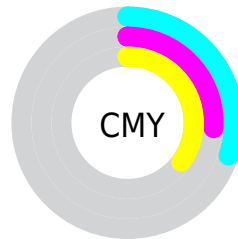


Cyan (6%)

Magenta (0%)

Yellow (12%)

Black (26%)



Cyan (30%)


Magenta (26%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.574, 128.561 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 75, 12.574, 128.561 by changing the saturation by 10% instead.


 75, 12.574,
128.561


 75, 12.574,
128.561


 100, 12.574,
128.561


 65, 12.574,
128.561


 95, 12.574,
128.561

 55, 12.574,
128.561

 45, 12.574,
128.561

 35, 12.574,
128.561

 25, 12.574,
128.561

 15, 12.574,
128.561

 5, 12.574, 128.561

0, 12.574, 128.561

75, 12.574,
128.561

75, 12.574,
128.561

74, 23.347,
128.090

76, 1.802, 129.062

73, 34.026,
127.606

77, 8.912, 309.397

72, 44.485,
127.133

79, 19.520,
309.778

71, 54.537,
126.713

80, 29.991,
310.119

70, 63.918,
126.408

81, 37.552,
311.721

70, 72.258,
126.312

82, 38.609,
316.320

83, 39.891,

■ 69, 79.107,
126.546

320.724

■ 69, 84.052,
127.229

■ 84, 41.383,
324.899

■ 68, 86.899,
128.068

■ 84, 41.773,
325.873

Harmonies

Complementary

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



75, 12.574, 128.561



70, 12.781, 309.586

Rectangle

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



75, 12.574, 128.561



75, 12.574, 178.561



75, 12.574, 308.561



75, 12.574, 358.561

Sweetspot

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



75, 12.576, 128.564



96, 5.311, 128.922



73, 7.307, 73.959



51, 3.775, 128.885



98, 0.011, 296.813



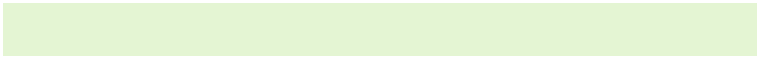
51, 0.007, 296.813

Same Dimension

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



75, 12.576, 128.564



94, 18.649, 128.445



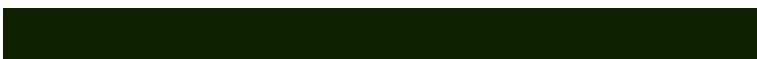
74, 14.552, 143.764



39, 6.105, 128.673



58, 76.175, 127.850



10, 19.129, 133.082

Inverse Universe

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



70, 12.781, 309.586



87, 19.013, 309.709



71, 14.570, 325.059



37, 6.188, 309.474



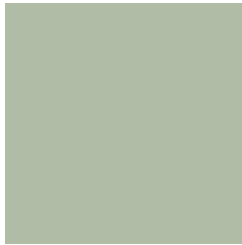
24, 87.186, 312.033



2, 18.077, 304.989

Previews

White Background



This preview shows how the CIELCh color 75, 12.574, 128.561 looks on a white background.

Color Contrast Check

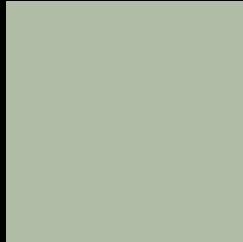
Large Text (above 18pt) WCAG AA × Fail

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 75, 12.574, 128.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

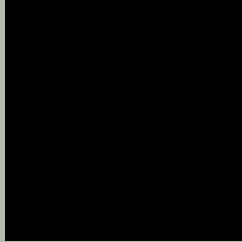
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 12.574, 128.561

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.574, 128.561.

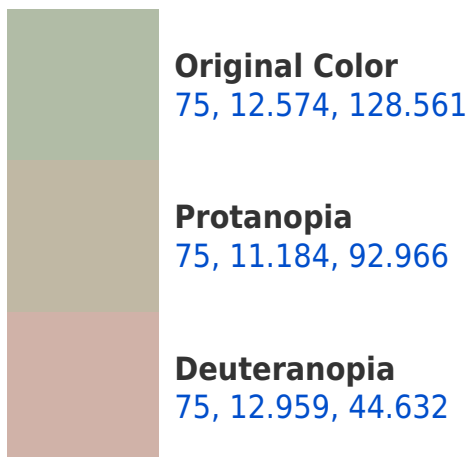



This preview shows how white text looks on a background with the CIELCh color 75, 12.574, 128.561.

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
75, 7.585, 285.473

Trichromacy



Original Color
75, 12.574, 128.561

Protanomaly
75, 11.278, 107.133

Deuteranomaly
75, 9.960, 73.530

Tritanomaly
75, 2.204, 199.465

Monochromacy



Original Color
75, 12.574, 128.561

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 4.574, 128.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.574, 128.561 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(177, 188, 166)` looks like.

```
.text, #text, p{  
    color:rgb(177, 188, 166)  
}
```

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(177, 188, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.574, 128.561 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(177, 188, 166) }
```

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

```
.border{ border-color:rgb(177, 188, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 188, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 188, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 188, 166);  
box-shadow:4px 4px 4px 4px rgb(177, 188,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.574, 128.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 166) }
```

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

```
.background{ background-color: rgb(177,  
188, 166) }
```

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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