

Converting Colors

CIELCh(75, 12.434, 121.126)

Have a look what the booklet for
CIELCh(75, 12.434, 121.126)
contains.

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Color

CIELCh(75, 12.647, 121.280)

Conversions

Conversions Part 1

Format	Color
Hex	B5BCA5
RGB	181, 188, 165
RGB Percent	71%, 74%, 65%
CMY	0.2917, 0.2643, 0.3544
CMYK	0.04, 0.00, 0.12, 0.26
HSL	78°, 15%, 69%
HSV	78°, 12%, 74%
XYZ	43.6207, 48.2781, 42.4339
YIQ	183.2850, 3.2110, -8.6370

Conversions

Conversions Part 2

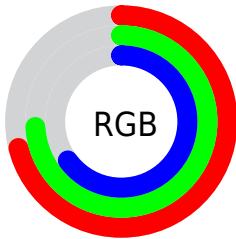
Format	Color
R _{YB}	165, 188, 172
Decimal	11910309
CIE _{Lab}	75.00, -6.57, 10.81
CIE _{LCh}	75, 12.647, 121.280
Y _{xy}	48.2781, 0.3247, 0.3594
Android (android.graphics.Color)	4290100389 (0xFFB5BCA5)
YUV	183.2850, -9.0145, -2.0039
Hunter-Lab	69.4824, -9.5331, 12.4285

Details

The CIELCh color **75, 12.647, 121.280** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69, 12.948, 302.696**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.543, 120.920**, and **55, 12.880, 121.608** is the 20% darker color. If you saturate the color by 10%, you get **74, 22.924, 120.704**, and if you desaturate by 10%, it is **76, 2.322, 121.866**.

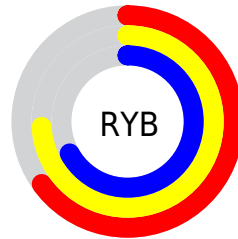
Distribution



Red (71%)

Green (74%)

Blue (65%)



Red (65%)

Yellow (74%)

Blue (67%)

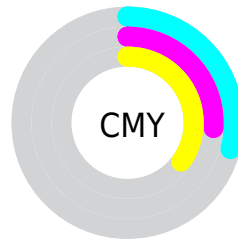


Cyan (4%)

Magenta (0%)

Yellow (12%)

Black (26%)



Cyan (29%)


Magenta (26%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.647, 121.280 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, 12.647, 121.280 by changing the saturation by 10% instead.


 75, 12.647,
121.280


 75, 12.647,
121.280


 100, 12.647,
121.280


 65, 12.647,
121.280


 95, 12.647,
121.280

 55, 12.647,
121.280

 45, 12.647,
121.280

 35, 12.647,
121.280

 25, 12.647,
121.280

 15, 12.647,
121.280

 5, 12.647, 121.280

0, 12.647, 121.280

75, 12.647,
121.280

75, 12.647,
121.280

74, 22.924,
120.704

76, 2.322, 121.866

73, 33.064,
120.126

77, 8.000, 302.380

73, 42.947,
119.577

78, 18.275,
302.892

72, 52.392,
119.097

79, 28.473,
303.369

72, 61.130,
118.746

80, 36.800,
304.262

71, 68.791,
118.610

80, 37.185,
307.146

81, 37.657,

■ 71, 74.920,
118.794

310.001

■ 70, 79.121,
119.402

■ 81, 38.216,
312.811

■ 70, 81.277,
120.110

■ 82, 38.859,
315.565

Harmonies

Complementary

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



75, 12.647, 121.280



69, 12.948, 302.696

Rectangle

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



75, 12.647, 121.280



75, 12.647, 171.280



75, 12.647, 301.280



75, 12.647, 351.280

Sweetspot

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



75, 12.649, 121.285



96, 5.119, 121.756



71, 7.279, 50.711



51, 3.637, 121.712



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, 12.649, 121.285



95, 19.209, 121.111



74, 14.277, 138.253



40, 5.877, 121.452



60, 71.527, 119.922



10, 17.996, 125.302

Inverse Universe

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



69, 12.948, 302.696



85, 19.772, 302.894



70, 14.370, 319.335



37, 5.986, 302.512



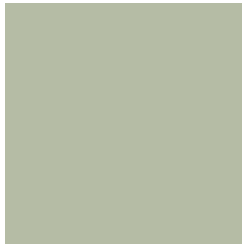
20, 90.647, 308.494



1, 17.672, 299.057

Previews

White Background



This preview shows how the CIELCh color 75, 12.647, 121.280 looks on a white background.

Color Contrast Check

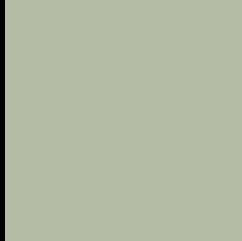
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 12.647, 121.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

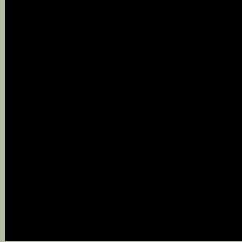
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

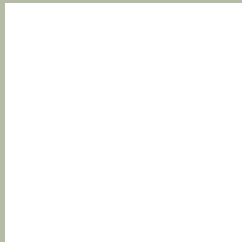
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.647, 121.280

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.647, 121.280.



This preview shows how white text looks on a background with the CIELCh color 75, 12.647, 121.280.

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
75, 12.647, 121.280

Protanopia
75, 11.813, 91.780

Deuteranopia
75, 13.580, 45.940



Tritanopia
75, 7.615, 296.332

Trichromacy



Original Color
75, 12.647, 121.280

Protanomaly
75, 11.336, 103.200

Deuteranomaly
75, 10.715, 68.405

Tritanomaly
75, 0.738, 200.051

Monochromacy



Original Color
75, 12.647, 121.280

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 4.983, 122.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.647, 121.280 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(181, 188, 165)` looks like.

```
.text, #text, p{  
    color:rgb(181, 188, 165)  
}
```

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(181, 188, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 188, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.647, 121.280 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(181, 188, 165) }
```

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

```
.border{ border-color:rgb(181, 188, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 188, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 188, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 188, 165);  
box-shadow:4px 4px 4px 4px rgb(181, 188,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.647, 121.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 188, 165) }
```

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

```
.background{ background-color: rgb(181,  
188, 165) }
```

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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