

Converting Colors

CIELCh(75, 12.901, 85.661)

Have a look what the booklet for
CIELCh(75, 12.901, 85.661) contains.

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Color

CIELCh(75, 12.887, 85.672)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C4B7A1 |
| RGB | 196, 183, 161 |
| RGB Percent | 77%, 72%, 63% |
| CMY | 0.2307, 0.2816, 0.3679 |
| CMYK | 0.00, 0.07, 0.18, 0.23 |
| HSL | 38°, 23%, 70% |
| HSV | 38°, 18%, 77% |
| XYZ | 46.2291, 48.2781, 40.6796 |
| YIQ | 184.3790, 14.8100, -4.0860 |

Conversions

Conversions Part 2

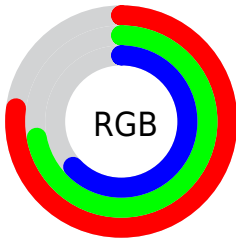
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 182, 196, 161 |
| Decimal | 12892065 |
| CIELab | 75.00, 0.97, 12.85 |
| CIELCh | 75, 12.887, 85.672 |
| Yxy | 48.2781, 0.3420, 0.3571 |
| Android (android.graphics.Color) | 4291082145 (0xFFC4B7A1) |
| YUV | 184.3790, -11.5258, 10.1916 |
| Hunter-Lab | 69.4824, -2.8321, 13.9255 |

Details

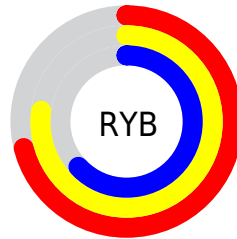
The CIELCh color **75, 12.887, 85.672** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71, 12.735, 270.502**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.852, 85.451**, and **55, 13.064, 85.718** is the 20% darker color. If you saturate the color by 10%, you get **73, 20.375, 84.363**, and if you desaturate by 10%, it is **77, 5.587, 86.941**.

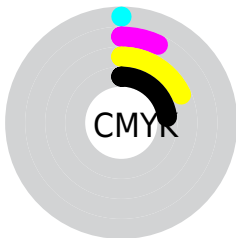
Distribution



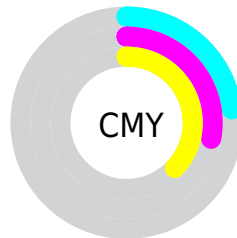
- Red (77%)
- Green (72%)
- Blue (63%)



- Red (71%)
- Yellow (77%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (18%)
- Black (23%)



- Cyan (23%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 12.887, 85.672 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, 12.887, 85.672 by changing the saturation by 10% instead.

■ 75, 12.887, 85.672

■ 75, 12.887, 85.672

■ 100, 12.887,
85.672

■ 65, 12.887, 85.672

■ 95, 12.887, 85.672

■ 55, 12.887, 85.672

■ 45, 12.887, 85.672

■ 35, 12.887, 85.672

■ 25, 12.887, 85.672

■ 15, 12.887, 85.672

■ 5, 12.887, 85.672

■ 0, 12.887, 85.672

■ 75, 12.887, 85.672

■ 75, 12.887, 85.672

73, 20.375, 84.363

77, 5.587, 86.941

70, 28.031, 83.001

80, 1.527, 268.404

68, 35.802, 81.599

82, 8.463, 269.456

66, 43.572, 80.144

85, 15.233,
270.585

64, 51.108, 78.606

87, 19.808,
269.082

62, 57.988, 76.912

60, 63.527, 74.919

89, 17.466,
256.382

58, 67.071, 72.453

91, 16.177,
240.932

58, 67.769, 71.921

93, 16.164,
224.359

95, 17.399,
209.103

Harmonies

Complementary

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



75, 12.887, 85.672



71, 12.735, 270.502

Rectangle

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



75, 12.887, 85.672



75, 12.887, 135.672



75, 12.887, 265.672



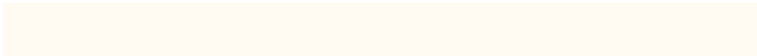
75, 12.887, 315.672

Sweetspot

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



75, 12.888, 85.682



99, 4.387, 87.263



70, 15.231, 352.139



52, 2.997, 87.183



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 12.888, 85.682



94, 18.853, 85.228



78, 18.659, 113.357



40, 4.007, 86.757



48, 58.420, 72.429



8, 12.125, 73.877

Inverse Universe

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



71, 12.735, 270.502



88, 18.576, 271.077



68, 19.418, 296.340



38, 3.990, 269.238



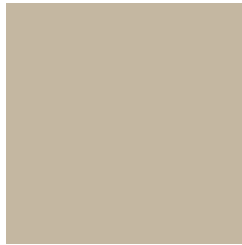
29, 64.308, 293.910



3, 14.583, 278.008

Previews

White Background



This preview shows how the CIELCh color 75, 12.887, 85.672 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, 12.887, 85.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

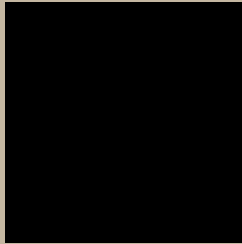
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 12.887, 85.672

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.887, 85.672.

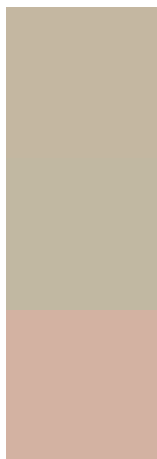


This preview shows how white text looks on a background with the CIELCh color 75, 12.887, 85.672.

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, 12.887, 85.672

Protanopia

75, 12.329, 92.442

Deuteranopia

75, 15.757, 53.127



Tritanopia
75, 10.876, 336.374

Trichromacy



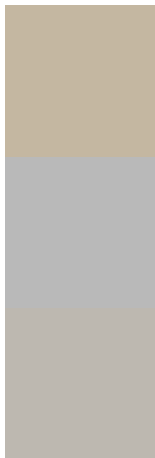
Original Color
75, 12.887, 85.672

Protanomaly
75, 12.448, 90.701

Deuteranomaly
75, 14.180, 62.752

Tritanomaly
75, 6.819, 19.896

Monochromacy



Original Color
75, 12.887, 85.672

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 4.687, 85.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.887, 85.672 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(196, 183, 161)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 161)  
}
```

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(196, 183, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.887, 85.672 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(196, 183, 161) }
```

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

```
.border{ border-color:rgb(196, 183, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 161);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.887, 85.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 161) }
```

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

```
.background{ background-color: rgb(196,  
183, 161) }
```

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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