

Converting Colors

CIELCh(72, 10.624, 83.859)

Have a look what the booklet for
CIELCh(72, 10.624, 83.859) contains.

CIELCh(72, 10.842, 83.362)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(72, 10.842, 83.362)

Conversions

Conversions Part 1

Format	Color
Hex	BBAF9D
RGB	187, 175, 157
RGB Percent	73%, 69%, 62%
CMY	0.2667, 0.3137, 0.3843
CMYK	0.00, 0.06, 0.16, 0.27
HSL	36°, 18%, 67%
HSV	36°, 16%, 73%
XYZ	41.9093, 43.6590, 38.1162
YIQ	176.5360, 12.9300, -3.0540

Conversions

Conversions Part 2

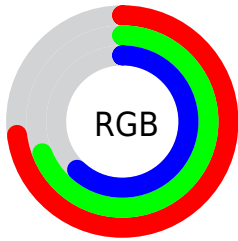
Format	Color
RYB	177, 187, 157
Decimal	12300189
CIELab	72.00, 1.25, 10.77
CIELCh	72, 10.842, 83.362
Yxy	43.6590, 0.3388, 0.3530
Android (android.graphics.Color)	4290490269 (0xFFBBAF9D)
YUV	176.5360, -9.6312, 9.1769
Hunter-Lab	66.0750, -2.4143, 12.0503

Details

The CIELCh color $72, 10.842, 83.362$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 10.666, 267.693$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 10.441, 81.951$, and $52, 10.893, 83.456$ is the 20% darker color. If you saturate the color by 10%, you get $70, 17.873, 82.065$, and if you desaturate by 10%, it is $74, 4.019, 84.610$.

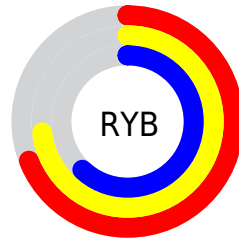
Distribution



Red (73%)

Green (69%)

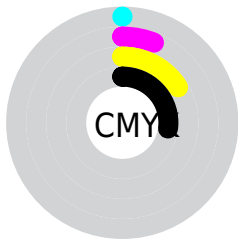
Blue (62%)



Red (69%)

Yellow (73%)

Blue (62%)

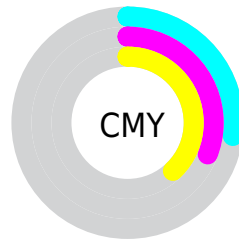


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 10.842, 83.362 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 72, 10.842, 83.362 by changing the saturation by 10% instead.

■ 72, 10.842, 83.362

■ 72, 10.842, 83.362

■ 100, 10.842,
83.362

■ 62, 10.842, 83.362

■ 92, 10.842, 83.362

■ 52, 10.842, 83.362

■ 42, 10.842, 83.362

■ 32, 10.842, 83.362

■ 22, 10.842, 83.362

■ 12, 10.842, 83.362

■ 2, 10.842, 83.362

■ 0, 10.842, 83.362

■ 72, 10.842, 83.362

■ 72, 10.842, 83.362

70, 17.873, 82.065

74, 4.019, 84.610

67, 25.101, 80.716

77, 2.607, 266.021

65, 32.495, 79.329

79, 9.046, 267.135

63, 39.967, 77.896

82, 15.315,
268.264

61, 47.337, 76.387

84, 21.431,
269.348

59, 54.260, 74.735

57, 60.136, 72.801

86, 20.887,
261.349

55, 64.197, 70.365

88, 19.048,
248.363

54, 65.591, 69.374

90, 18.319,
233.677

92, 18.798,
218.932

Harmonies

Complementary

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



72, 10.842, 83.362



69, 10.666, 267.693

Rectangle

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



72, 10.842, 83.362



72, 10.842, 133.362



72, 10.842, 263.362



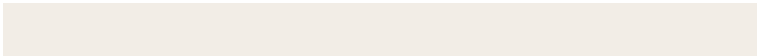
72, 10.842, 313.362

Sweetspot

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



72, 10.843, 83.373



94, 4.096, 84.717



68, 13.259, 350.885



50, 2.821, 84.639



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 10.843, 83.373



90, 15.927, 82.952



75, 16.127, 112.815



39, 3.818, 84.214



46, 57.890, 69.840



7, 10.484, 71.347

Inverse Universe

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



69, 10.666, 267.693



85, 15.603, 268.217



66, 16.715, 295.549



38, 3.789, 266.711



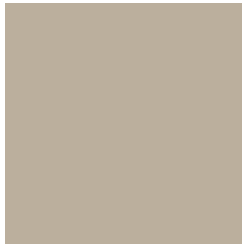
30, 60.380, 291.925



3, 12.716, 275.360

Previews

White Background



This preview shows how the CIELCh color 72, 10.842, 83.362 looks on a white background.

Color Contrast Check

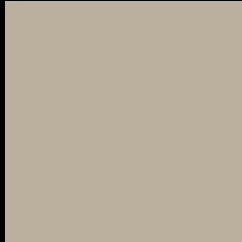
Large Text (above 18pt) WCAG AA × Fail

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 72, 10.842, 83.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

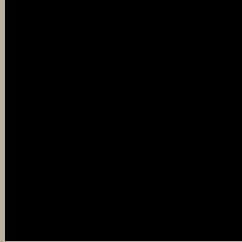
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

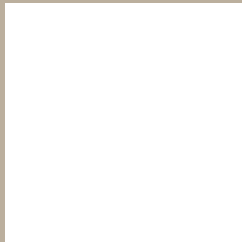
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 10.842, 83.362

Background



This preview shows how black text looks on a background with the CIELCh color 72, 10.842, 83.362.

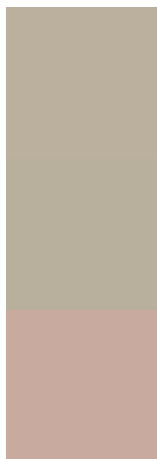


This preview shows how white text looks on a background with the CIELCh color 72, 10.842, 83.362.

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

72, 10.842, 83.362

Protanopia

72, 10.757, 92.174

Deuteranopia

72, 13.634, 48.598



Tritanopia
72, 10.324, 337.096

Trichromacy



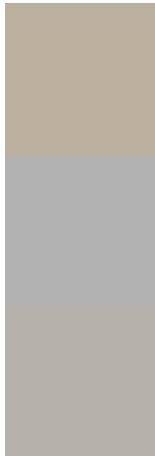
Original Color
72, 10.842, 83.362

Protanomaly
72, 10.879, 90.179

Deuteranomaly
72, 11.888, 59.453

Tritanomaly
72, 6.950, 10.977

Monochromacy



Original Color
72, 10.842, 83.362

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 3.754, 79.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 10.842, 83.362 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(187, 175, 157)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 157)  
}
```

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(187, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 10.842, 83.362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

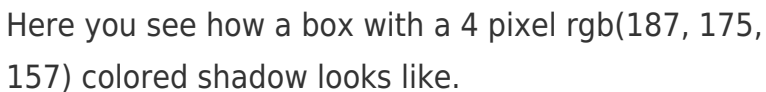
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 175, 157) }
```

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

```
.border{ border-color:rgb(187, 175, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 175, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(187, 175,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 10.842, 83.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 157) }
```

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

```
.background{ background-color: rgb(187,  
175, 157) }
```

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