

Converting Colors

CIELCh(71, 9.187, 90.243)

Have a look what the booklet for
CIELCh(71, 9.187, 90.243) contains.

CIELCh(71, 9.237, 89.465)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 9.237, 89.465)

Conversions

Conversions Part 1

Format	Color
Hex	B5AD9D
RGB	181, 173, 157
RGB Percent	71%, 68%, 62%
CMY	0.2899, 0.3212, 0.3840
CMYK	0.00, 0.04, 0.13, 0.29
HSL	40°, 14%, 66%
HSV	40°, 13%, 71%
XYZ	40.1256, 42.1875, 37.9612
YIQ	173.5680, 9.9040, -3.2800

Conversions

Conversions Part 2

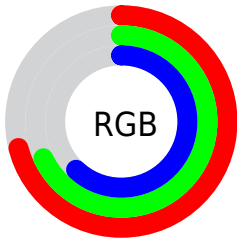
Format	Color
RYB	169, 181, 157
Decimal	11906461
CIELab	71.00, 0.09, 9.24
CIELCh	71, 9.237, 89.465
Yxy	42.1875, 0.3336, 0.3508
Android (android.graphics.Color)	4290096541 (0xFFB5AD9D)
YUV	173.5680, -8.1680, 6.5179
Hunter-Lab	64.9519, -3.3931, 10.8143

Details

The CIELCh color **71, 9.237, 89.465** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 9.221, 272.922**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 8.891, 87.569**, and **51, 9.187, 90.243** is the 20% darker color. If you saturate the color by 10%, you get **69, 16.383, 88.203**, and if you desaturate by 10%, it is **73, 2.238, 90.643**.

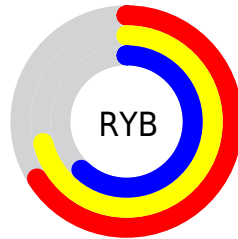
Distribution



Red (71%)

Green (68%)

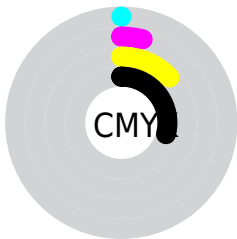
Blue (62%)



Red (66%)

Yellow (71%)

Blue (62%)

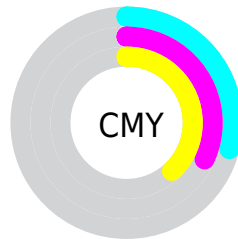


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (29%)



Cyan (29%)

Magenta (32%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 9.237, 89.465 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 71, 9.237, 89.465 by changing the saturation by 10% instead.

 71, 9.237, 89.465

 71, 9.237, 89.465

 100, 9.237, 89.465

 61, 9.237, 89.465

 91, 9.237, 89.465

 51, 9.237, 89.465

 41, 9.237, 89.465

 31, 9.237, 89.465

 21, 9.237, 89.465

 11, 9.237, 89.465

 1, 9.237, 89.465

 0, 9.237, 89.465

 71, 9.237, 89.465

 71, 9.237, 89.465

69, 16.383, 88.203

73, 2.238, 90.643

67, 23.657, 86.883

75, 4.615, 271.986

65, 31.019, 85.523

77, 11.328,
273.103

63, 38.380, 84.119

79, 17.909,
274.190

62, 45.569, 82.656

60, 52.271, 81.094

82, 24.367,
275.229

58, 57.964, 79.345

83, 25.436,
271.675

57, 61.942, 77.258

56, 63.832, 75.702

85, 23.169,
263.937

86, 21.395,
254.818

88, 20.232,
244.457

Harmonies

Complementary

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



71, 9.237, 89.465



68, 9.221, 272.922

Rectangle

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



71, 9.237, 89.465



71, 9.237, 139.465



71, 9.237, 269.465



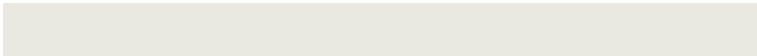
71, 9.237, 319.465

Sweetspot

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



71, 9.238, 89.477



92, 3.401, 90.564



67, 10.242, 354.915



49, 2.418, 90.485



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



71, 9.238, 89.477



89, 13.810, 89.099



73, 13.056, 115.762



38, 3.975, 89.957



48, 57.072, 76.068



6, 9.683, 80.352

Inverse Universe

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



68, 9.221, 272.922



84, 13.769, 273.370



66, 13.435, 297.729



36, 3.975, 272.375



26, 66.697, 296.115



3, 11.815, 277.749

Previews

White Background



This preview shows how the CIELCh color 71, 9.237, 89.465 looks on a white background.

Color Contrast Check

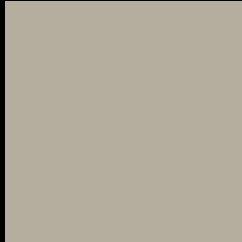
Large Text (above 18pt) WCAG AA × Fail

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 71, 9.237, 89.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

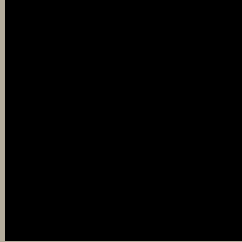
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

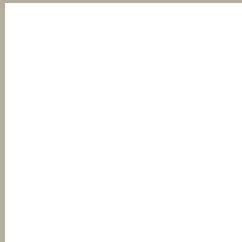
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 9.237, 89.465

Background



This preview shows how black text looks on a background with the CIELCh color 71, 9.237, 89.465.

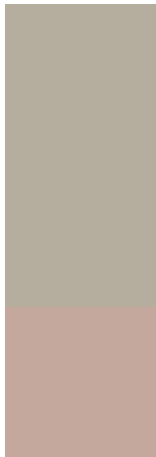


This preview shows how white text looks on a background with the CIELCh color 71, 9.237, 89.465.

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


71, 9.237, 89.465

Protanopia

71, 9.237, 89.465

Deuteranopia

71, 12.390, 46.108



Tritanopia
71, 9.735, 328.517

Trichromacy



Original Color
71, 9.237, 89.465

Protanomaly
71, 9.237, 89.465

Deuteranomaly
71, 10.568, 57.882

Tritanomaly
71, 5.752, 357.589

Monochromacy



Original Color
71, 9.237, 89.465

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 3.443, 90.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 9.237, 89.465 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, 173, 157)` looks like.

```
.text, #text, p{  
    color:rgb(181, 173, 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(181, 173, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 173, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 9.237, 89.465 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, 173, 157) }
```

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

```
.border{ border-color:rgb(181, 173, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 173, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 173, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 173, 157); box-shadow:4px 4px 4px 4px rgb(181, 173, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 9.237, 89.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 173, 157) }
```

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

```
.background{ background-color: rgb(181,  
173, 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