

Converting Colors

CIELCh(71, 21.892, 86.601)

Have a look what the booklet for
CIELCh(71, 21.892, 86.601) contains.

CIELCh(71, 22.101, 87.312)	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(71, 22.101, 87.312)

Conversions

Conversions Part 1

Format	Color
Hex	BFAC86
RGB	191, 172, 134
RGB Percent	75%, 67%, 53%
CMY	0.2518, 0.3263, 0.4753
CMYK	0.00, 0.10, 0.30, 0.25
HSL	40°, 31%, 64%
HSV	40°, 30%, 75%
XYZ	40.4314, 42.1875, 28.4918
YIQ	173.3490, 23.5220, -7.7900

Conversions

Conversions Part 2

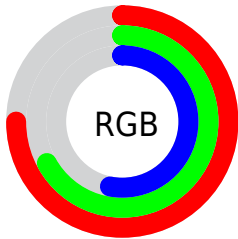
Format	Color
RYB	163, 191, 134
Decimal	12561542
CIELab	71.00, 1.04, 22.08
CIElCh	71, 22.101, 87.312
Yxy	42.1875, 0.3639, 0.3797
Android (android.graphics.Color)	4290751622 (0xFFBFAC86)
YUV	173.3490, -19.3991, 15.4799
Hunter-Lab	64.9519, -2.5529, 19.4582

Details

The CIELCh color **71, 22.101, 87.312** is a light color, and the websafe version is hex **999966**. A complement of this color would be **63, 21.959, 275.706**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 22.198, 87.054**, and **51, 22.222, 87.279** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.760, 85.966**, and if you desaturate by 10%, it is **73, 14.554, 88.629**.

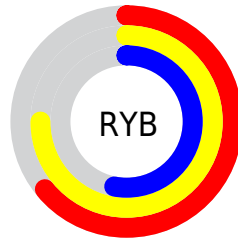
Distribution



Red (75%)

Green (67%)

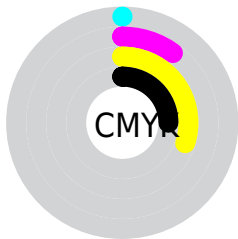
Blue (53%)



Red (64%)

Yellow (75%)

Blue (53%)

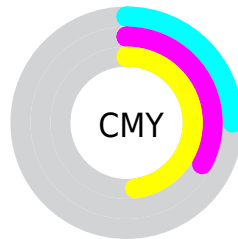


Cyan (0%)

Magenta (10%)

Yellow (30%)

Black (25%)



Cyan (25%)

Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 22.101, 87.312 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, 22.101, 87.312 by changing the saturation by 10% instead.

■ 71, 22.101, 87.312

■ 71, 22.101, 87.312

■ 100, 22.101,
87.312

■ 61, 22.101, 87.312

■ 91, 22.101, 87.312

■ 51, 22.101, 87.312

■ 41, 22.101, 87.312

■ 31, 22.101, 87.312

■ 21, 22.101, 87.312

■ 11, 22.101, 87.312

■ 1, 22.101, 87.312

■ 0, 22.101, 87.312

■ 71, 22.101, 87.312

■ 71, 22.101, 87.312

69, 29.760, 85.966

73, 14.554, 88.629

67, 37.456, 84.572

75, 7.149, 89.888

65, 45.041, 83.126

77, 0.103, 273.406

63, 52.241, 81.595

79, 7.203, 272.366

62, 58.581, 79.911

82, 14.158,
273.482

60, 63.363, 77.941

84, 20.978,
274.557

58, 66.315, 75.614

86, 21.665,
269.558

58, 66.354, 75.584

87, 19.494,
259.671

89, 18.014,
247.869

Harmonies

Complementary

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



71, 22.101, 87.312



63, 21.959, 275.706

Rectangle

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



71, 22.101, 87.312



71, 22.101, 137.312



71, 22.101, 267.312



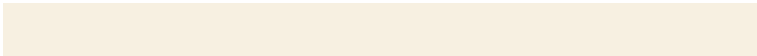
71, 22.101, 317.312

Sweetspot

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



71, 22.102, 87.318



95, 8.044, 89.976



62, 24.699, 356.906



51, 5.645, 89.796



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 22.102, 87.318



88, 33.094, 86.416



75, 30.481, 114.552



39, 4.066, 89.951



49, 57.755, 76.024



7, 11.052, 79.267

Inverse Universe

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



63, 21.959, 275.706



76, 32.859, 277.053



59, 32.626, 299.333



37, 4.066, 272.378



27, 67.591, 296.164



3, 13.465, 278.808

Previews

White Background



This preview shows how the CIELCh color 71, 22.101, 87.312 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, 22.101, 87.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

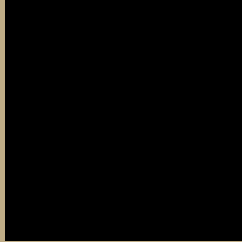
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

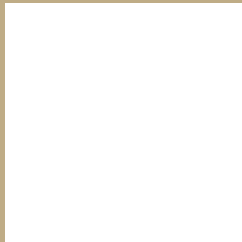
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 22.101, 87.312

Background



This preview shows how black text looks on a background with the CIELCh color 71, 22.101, 87.312.



This preview shows how white text looks on a background with the CIELCh color 71, 22.101, 87.312.

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, 22.101, 87.312

Protanopia

71, 21.599, 96.003

Deuteranopia

71, 23.458, 67.420



Tritanopia
71, 13.392, 348.770

Trichromacy



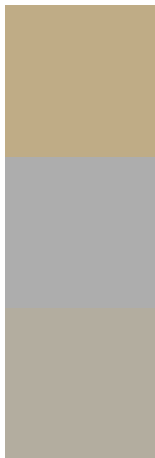
Original Color
71, 22.101, 87.312

Protanomaly
71, 21.403, 92.516

Deuteranomaly
71, 22.425, 74.622

Tritanomaly
71, 10.543, 35.082

Monochromacy



Original Color
71, 22.101, 87.312

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 7.954, 92.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 22.101, 87.312 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(191, 172, 134)` looks like.

```
.text, #text, p{  
    color:rgb(191, 172, 134)  
}
```

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(191, 172, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 172, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 22.101, 87.312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

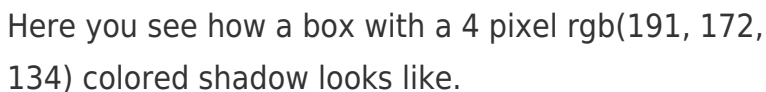
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 172, 134) }
```

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

```
.border{ border-color:rgb(191, 172, 134) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 172, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 172, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 172, 134);  
box-shadow:4px 4px 4px 4px rgb(191, 172,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 22.101, 87.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 172, 134) }
```

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

```
.background{ background-color: rgb(191,  
172, 134) }
```

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