

Converting Colors

CIELCh(71, 38.886, 123.031)

Have a look what the booklet for
CIELCh(71, 38.886, 123.031)
contains.

CIELCh(71, 38.886, 123.031)	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, 38.886, 123.031)

Conversions

Conversions Part 1

Format	Color
Hex	9CB771
RGB	156, 183, 113
RGB Percent	61%, 72%, 44%
CMY	0.3878, 0.2819, 0.5564
CMYK	0.15, 0.00, 0.38, 0.28
HSL	83°, 33%, 58%
HSV	83°, 38%, 72%
XYZ	33.6756, 42.1875, 22.0223
YIQ	166.9470, 6.3780, -27.4940

Conversions

Conversions Part 2

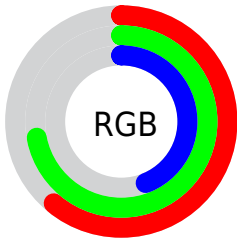
Format	Color
R_{YB}	113, 183, 140
Decimal	10270577
CIE _{Lab}	71.00, -21.20, 32.60
CIE _{LCh}	71, 38.886, 123.031
Yxy	42.1875, 0.3440, 0.4310
Android (android.graphics.Color)	4288460657 (0xFF9CB771)
YUV	166.9470, -26.5959, -9.6005
Hunter-Lab	64.9519, -21.1191, 25.3637

Details

The CIELCh color **71, 38.886, 123.031** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53, 41.663, 307.263**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 38.738, 123.313**, and **51, 38.788, 123.432** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.549, 122.569**, and if you desaturate by 10%, it is **72, 28.890, 123.543**.

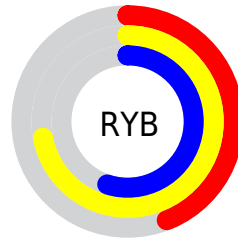
Distribution



Red (61%)

Green (72%)

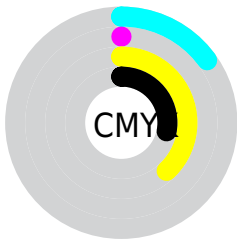
Blue (44%)



Red (44%)

Yellow (72%)

Blue (55%)

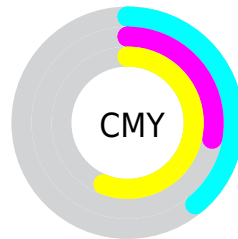


Cyan (15%)

Magenta (0%)

Yellow (38%)

Black (28%)



Cyan (39%)


Magenta (28%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 38.886, 123.031 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, 38.886, 123.031 by changing the saturation by 10% instead.


 71, 38.886,
123.031


 71, 38.886,
123.031


 100, 38.886,
123.031


 61, 38.886,
123.031


 91, 38.886,
123.031

 51, 38.886,
123.031

 41, 38.886,
123.031

 31, 38.886,
123.031

 21, 38.886,
123.031

 11, 38.886,
123.031

 1, 38.886, 123.031

0, 38.886, 123.031

71, 38.886,
123.031

71, 38.886,
123.031

70, 48.549,
122.569

72, 28.890,
123.543

70, 57.652,
122.206

73, 18.708,
124.067

69, 65.876,
122.021

74, 8.446, 124.584

75, 1.823, 305.025

68, 72.806,
122.123

76, 12.049,
305.520

68, 78.007,
122.629

77, 22.195,
305.951

68, 81.379,
123.573

78, 32.235,

■ 68, 81.914,
123.744

306.346

■ 79, 39.798,
307.451

■ 80, 40.380,
310.735

Harmonies

Complementary

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



71, 38.886, 123.031



53, 41.663, 307.263

Rectangle

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



71, 38.886, 123.031



71, 38.886, 173.031



71, 38.886, 303.031



71, 38.886, 353.031

Sweetspot

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



71, 38.887, 123.033



92, 13.930, 124.432



62, 24.279, 58.342



49, 9.436, 124.363



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



71, 38.887, 123.033



89, 57.237, 122.633



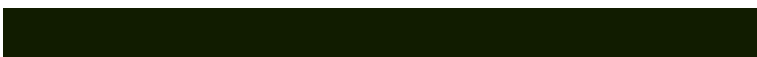
69, 44.789, 138.887



38, 5.826, 124.527



58, 72.500, 123.542



9, 16.400, 129.299

Inverse Universe

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



53, 41.663, 307.263



62, 62.463, 307.868



56, 45.147, 323.013



36, 5.923, 305.450



21, 88.206, 309.756



1, 15.715, 301.328

Previews

White Background



This preview shows how the CIELCh color 71, 38.886, 123.031 looks on a white background.

Color Contrast Check

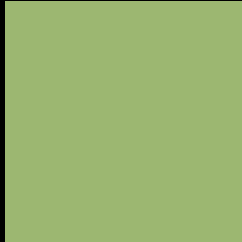
Large Text (above 18pt) WCAG AA × Fail

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, 38.886, 123.031 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, 38.886, 123.031

Background



This preview shows how black text looks on a background with the CIELCh color 71, 38.886, 123.031.



This preview shows how white text looks on a background with the CIELCh color 71, 38.886, 123.031.

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, 38.886, 123.031

Protanopia
71, 35.082, 95.429

Deuteranopia
71, 32.490, 73.783



Tritanopia
71, 8.110, 270.218

Trichromacy



Original Color
71, 38.886, 123.031

Protanomaly
71, 35.778, 106.580

Deuteranomaly
71, 31.106, 93.698

Tritanomaly
71, 10.467, 142.297

Monochromacy



Original Color
71, 38.886, 123.031

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 14.725, 124.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 38.886, 123.031 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(156, 183, 113)` looks like.

```
.text, #text, p{  
    color:rgb(156, 183, 113)  
}
```

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(156, 183, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 183, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 38.886, 123.031 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(156, 183, 113) }
```

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

```
.border{ border-color:rgb(156, 183, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 183, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 183, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 183, 113);  
box-shadow:4px 4px 4px 4px rgb(156, 183,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 38.886, 123.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 183, 113) }
```

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

```
.background{ background-color: rgb(156,  
183, 113) }
```

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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