

Converting Colors

CIELCh(71, 48.402, 124.852)

Have a look what the booklet for
CIELCh(71, 48.402, 124.852)
contains.

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Color

CIELCh(71, 48.499, 125.022)

Conversions

Conversions Part 1

Format	Color
Hex	93BA63
RGB	147, 186, 99
RGB Percent	58%, 73%, 39%
CMY	0.4238, 0.2708, 0.6120
CMYK	0.21, 0.00, 0.47, 0.27
HSL	87°, 39%, 56%
HSV	87°, 47%, 73%
XYZ	31.8158, 42.1875, 18.2554
YIQ	164.4210, 4.6830, -35.3250

Conversions

Conversions Part 2

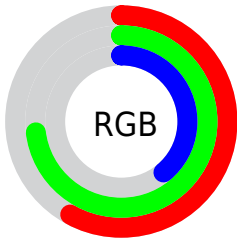
Format	Color
R_{YB}	99, 186, 138
Decimal	9681507
CIE _{Lab}	71.00, -27.83, 39.72
CIE _{LCh}	71, 48.499, 125.022
Yxy	42.1875, 0.3449, 0.4573
Android (android.graphics.Color)	4287871587 (0xFF93BA63)
YUV	164.4210, -32.2526, -15.2782
Hunter-Lab	64.9519, -26.2300, 28.8023

Details

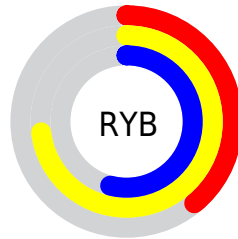
The CIELCh color $71, 48.499, 125.022$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $49, 52.386, 309.808$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $91, 48.573, 125.083$, and $51, 48.805, 125.126$ is the 20% darker color. If you saturate the color by 10%, you get $70, 57.993, 124.656$, and if you desaturate by 10%, it is $72, 38.483, 125.478$.

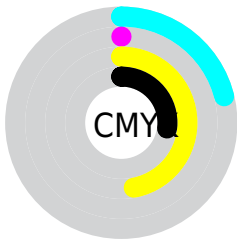
Distribution



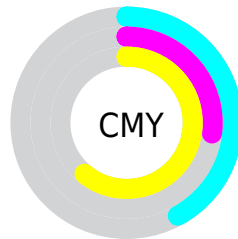
- Red (58%)
- Green (73%)
- Blue (39%)



- Red (39%)
- Yellow (73%)
- Blue (54%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (27%)




- Cyan (42%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 48.499, 125.022 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, 48.499, 125.022 by changing the saturation by 10% instead.


 71, 48.499,
125.022

 71, 48.499,
125.022


 100, 48.499,
125.022


 61, 48.499,
125.022


 91, 48.499,
125.022

 51, 48.499,
125.022

 41, 48.499,
125.022

 31, 48.499,
125.022

 21, 48.499,
125.022

 11, 48.499,
125.022

 1, 48.499, 125.022

0, 48.499, 125.022

71, 48.499,
125.022

71, 48.499,
125.022

70, 57.993,
124.656

72, 38.483,
125.478

70, 66.652,
124.452

73, 28.159,
125.968

69, 74.066,
124.520

74, 17.676,
126.463

69, 79.788,
124.983

75, 7.138, 126.947

68, 83.574,
125.915

76, 3.383, 307.356

68, 84.603,
126.238

77, 13.837,
307.794

78, 24.186,

308.180

■ 80, 34.404,
308.530

■ 81, 38.828,
311.105

Harmonies

Complementary

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



71, 48.499, 125.022



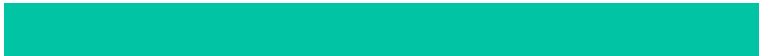
49, 52.386, 309.808

Rectangle

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



71, 48.499, 125.022



71, 48.499, 175.022



71, 48.499, 305.022



71, 48.499, 355.022

Sweetspot

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



71, 48.500, 125.023



94, 18.274, 126.588



61, 30.986, 62.814



50, 12.719, 126.482



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 48.500, 125.023



89, 70.882, 124.652



69, 55.868, 139.339



38, 5.900, 126.825



58, 74.001, 126.011



8, 16.667, 131.530

Inverse Universe

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



49, 52.386, 309.808



57, 78.081, 310.402



54, 55.996, 324.880



36, 5.988, 307.671



23, 87.086, 310.934



2, 15.833, 303.225

Previews

White Background



This preview shows how the CIELCh color 71, 48.499, 125.022 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, 48.499, 125.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

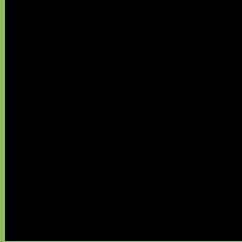
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 48.499, 125.022

Background



This preview shows how black text looks on a background with the CIELCh color 71, 48.499, 125.022.

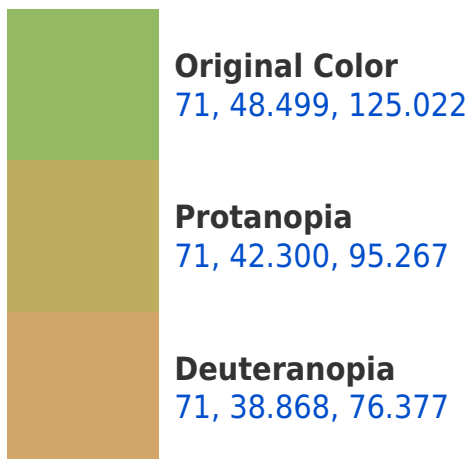


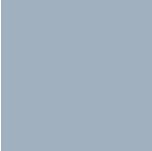
This preview shows how white text looks on a background with the CIELCh color 71, 48.499, 125.022.

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





Tritanopia
71, 9.391, 253.848

Trichromacy



Original Color
71, 48.499, 125.022

Protanomaly
71, 43.327, 107.535

Deuteranomaly
70, 38.473, 97.281

Tritanomaly
71, 15.794, 145.828

Monochromacy



Original Color
71, 48.499, 125.022

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 18.338, 125.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 48.499, 125.022 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(147, 186, 99)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 99)  
}
```

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(147, 186, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 48.499, 125.022 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(147, 186, 99) }
```

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

```
.border{ border-color:rgb(147, 186, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 99);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 48.499, 125.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 99) }
```

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

```
.background{ background-color: rgb(147,  
186, 99) }
```

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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