

Converting Colors

CIELCh(70, 41.301, 105.992)

Have a look what the booklet for
CIELCh(70, 41.301, 105.992)
contains.

CIELCh(70, 41.415, 105.974)	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(70, 41.415, 105.974)

Conversions

Conversions Part 1

Format	Color
Hex	AFAF61
RGB	175, 175, 97
RGB Percent	69%, 69%, 38%
CMY	0.3129, 0.3129, 0.6188
CMYK	0.00, 0.00, 0.45, 0.31
HSL	60°, 33%, 53%
HSV	60°, 45%, 69%
XYZ	35.2673, 40.7494, 17.3652
YIQ	166.1080, 25.0380, -24.2580

Conversions

Conversions Part 2

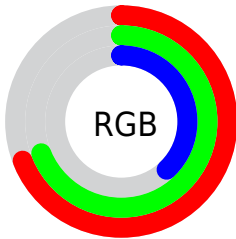
Format	Color
RYB	97, 175, 97
Decimal	11513697
CIELab	70.00, -11.40, 39.82
CIELCh	70, 41.415, 105.974
Yxy	40.7494, 0.3777, 0.4364
Android (android.graphics.Color)	4289703777 (0xFFAFAF61)
YUV	166.1080, -34.0702, 7.7983
Hunter-Lab	63.8353, -13.0953, 28.5560

Details

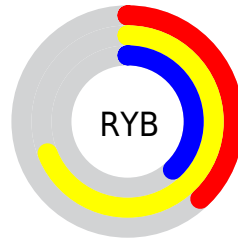
The CIELCh color $70, 41.415, 105.974$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $45, 46.555, 296.284$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 41.275, 105.658$, and $50, 41.350, 106.053$ is the 20% darker color. If you saturate the color by 10%, you get $70, 49.879, 105.120$, and if you desaturate by 10%, it is $70, 32.466, 106.891$.

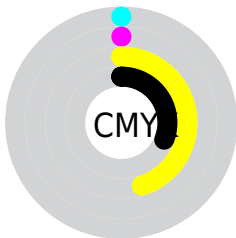
Distribution



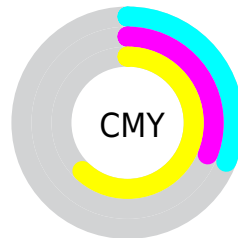
- Red (69%)
- Green (69%)
- Blue (38%)



- Red (38%)
- Yellow (69%)
- Blue (38%)



- Cyan (0%)
- Magenta (0%)
- Yellow (45%)
- Black (31%)





- Cyan (31%)
- Magenta (31%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 41.415, 105.974 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 70, 41.415, 105.974 by changing the saturation by 10% instead.


 70, 41.415,
105.974


 70, 41.415,
105.974


 100, 41.415,
105.974


 60, 41.415,
105.974


 90, 41.415,
105.974

 50, 41.415,
105.974

 40, 41.415,
105.974

 30, 41.415,
105.974

 20, 41.415,
105.974

 10, 41.415,
105.974

 0, 41.415, 105.974

70, 41.415,
105.974

70, 41.415,
105.974

70, 49.879,
105.120

70, 32.466,
106.891

70, 57.568,
104.353

71, 23.220,
107.837

70, 64.096,
103.713

71, 13.806,
108.793

69, 69.021,
103.240

71, 4.304, 109.737

69, 72.008,
102.957

72, 5.232, 290.699

69, 73.139,
102.851

72, 14.768,
291.603

73, 24.279,
292.480

74, 33.747,
293.321

■ 74, 43.160,
294.121

Harmonies

Complementary

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



70, 41.415, 105.974



45, 46.555, 296.284

Rectangle

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



70, 41.415, 105.974



70, 41.415, 155.974



70, 41.415, 285.974



70, 41.415, 335.974

Sweetspot

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



70, 41.416, 105.977



90, 15.255, 108.917



50, 34.291, 22.761



48, 10.754, 108.710



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 41.416, 105.977



88, 59.909, 105.170



67, 44.492, 126.415



37, 5.341, 109.291



60, 65.375, 102.851



7, 11.344, 110.175

Inverse Universe

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



45, 46.555, 296.284



51, 69.704, 298.149



48, 47.566, 310.761



33, 5.457, 291.125



17, 90.271, 306.287



1, 11.347, 290.177

Previews

White Background



This preview shows how the CIELCh color 70, 41.415, 105.974 looks on a white background.

Color Contrast Check

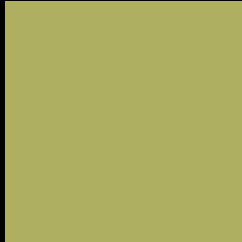
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 41.415, 105.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

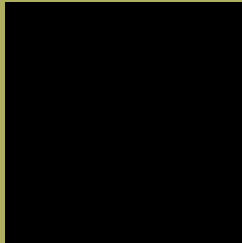
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 41.415, 105.974

Background



This preview shows how black text looks on a background with the CIELCh color 70, 41.415, 105.974.



This preview shows how white text looks on a background with the CIELCh color 70, 41.415, 105.974.

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


70, 41.415, 105.974

Protanopia

70, 40.791, 95.609

Deuteranopia

70, 39.896, 76.904



Tritanopia
70, 9.845, 334.019

Trichromacy



Original Color
70, 41.415, 105.974

Protanomaly
70, 41.235, 99.961

Deuteranomaly
70, 38.933, 87.378

Tritanomaly
70, 11.916, 85.396

Monochromacy



Original Color
70, 41.415, 105.974

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 15.283, 108.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 41.415, 105.974 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(175, 175, 97)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 97)  
}
```

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(175, 175, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 41.415, 105.974 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(175, 175, 97) }
```

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

```
.border{ border-color:rgb(175, 175, 97) }
```

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

Here you see how a box with a 4 pixel rgb(175, 175, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 97);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 41.415, 105.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 97) }
```

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

```
.background{ background-color: rgb(175,  
175, 97) }
```

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