

Converting Colors

CIELCh(42, 48.900, 102.779)

Have a look what the booklet for
CIELCh(42, 48.900, 102.779)
contains.

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Color

CIELCh(42, 49.029, 102.957)

Conversions

Conversions Part 1

Format	Color
Hex	676703
RGB	103, 103, 3
RGB Percent	40%, 40%, 1%
CMY	0.5975, 0.5974, 0.9901
CMYK	0.00, 0.00, 0.98, 0.60
HSL	60°, 95%, 21%
HSV	60°, 98%, 40%
XYZ	10.3815, 12.5000, 1.9380
YIQ	91.6000, 32.1000, -31.1000

Conversions

Conversions Part 2

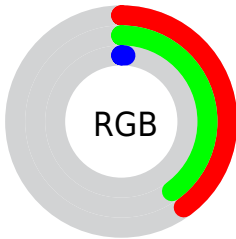
Format	Color
R_{YB}	3, 103, 3
Decimal	6776579
CIE _{Lab}	42.00, -10.99, 47.78
CIE _{LCh}	42, 49.029, 102.957
Yxy	12.5000, 0.4183, 0.5036
Android (android.graphics.Color)	4284966659 (0xFF676703)
YUV	91.6000, -43.6798, 9.9978
Hunter-Lab	35.3553, -9.4585, 21.4987

Details

The CIELCh color **42, 49.029, 102.957** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 66.991, 305.853**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 49.160, 103.126**, and **22, 31.946, 107.263** is the 20% darker color. If you saturate the color by 10%, you get **42, 49.677, 102.870**, and if you desaturate by 10%, it is **42, 46.503, 103.311**.

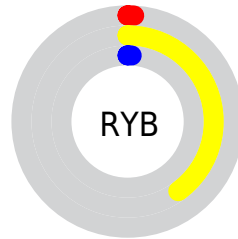
Distribution



Red (40%)

Green (40%)

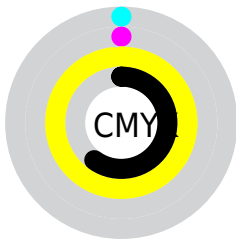
Blue (1%)



Red (1%)

Yellow (40%)

Blue (1%)

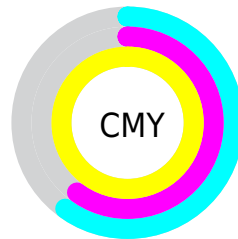


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (60%)



Cyan (60%)


Magenta (60%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 49.029, 102.957 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 42, 49.029, 102.957 by changing the saturation by 10% instead.


 42, 49.029,
102.957


 42, 49.029,
102.957


 100, 49.029,
102.957


 32, 49.029,
102.957

 62, 49.029,
102.957


 22, 49.029,
102.957

 72, 49.029,
102.957

 12, 49.029,
102.957

 82, 49.029,
102.957

 2, 49.029, 102.957

 92, 49.029,
102.957

 0, 49.029, 102.957

 42, 49.029,

 42, 49.029,

102.957

102.957

■ 42, 49.677,
102.870

■ 42, 46.503,
103.311

■ 42, 43.197,
103.779

■ 42, 38.930,
104.394

■ 42, 33.960,
105.123

■ 42, 28.513,
105.934

■ 43, 22.758,
106.799

■ 43, 16.812,
107.695

■ 43, 10.751,
108.602

Harmonies

Complementary

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



42, 49.029, 102.957



9, 66.991, 305.853

Rectangle

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



42, 49.029, 102.957



42, 49.029, 152.957



42, 49.029, 282.957



42, 49.029, 332.957

Sweetspot

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



42, 49.029, 102.959



54, 21.819, 107.489



20, 49.872, 35.749



28, 14.821, 107.217



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 49.029, 102.959



54, 59.635, 102.870



39, 54.603, 127.064



21, 3.429, 109.382



47, 53.753, 102.870



93, 93.218, 102.871

Inverse Universe

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



9, 66.991, 305.853



14, 82.344, 306.289



14, 62.409, 312.487



19, 3.498, 291.049



11, 74.221, 306.289



30, 128.716, 306.288

Previews

White Background



This preview shows how the CIELCh color 42, 49.029, 102.957 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 49.029, 102.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 49.029, 102.957

Background



This preview shows how black text looks on a background with the CIELCh color 42, 49.029, 102.957.



This preview shows how white text looks on a background with the CIELCh color 42, 49.029, 102.957.

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


42, 49.029, 102.957

Protanopia

42, 49.163, 95.810

Deuteranopia

42, 45.390, 83.317



Tritanopia
42, 7.587, 340.917

Trichromacy



Original Color
42, 49.029, 102.957

Protanomaly
42, 49.015, 98.205

Deuteranomaly
42, 46.098, 90.636

Tritanomaly
42, 19.606, 94.880

Monochromacy



Original Color
42, 49.029, 102.957

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 21.552, 106.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 49.029, 102.957 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(103, 103, 3)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 3)  
}
```

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(103, 103, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 49.029, 102.957 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(103, 103, 3) }
```

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

```
.border{ border-color:rgb(103, 103, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 103, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 3);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 49.029, 102.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 103, 3) }
```

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

```
.background{ background-color: rgb(103,  
103, 3) }
```

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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