

Converting Colors

CIELCh(42, 70.194, 49.266)

Have a look what the booklet for
CIELCh(42, 70.194, 49.266) contains.

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Color

CIELCh(42, 70.291, 49.062)

Conversions

Conversions Part 1

Format	Color
Hex	B13B01
RGB	177, 59, 1
RGB Percent	69%, 23%, 0%
CMY	0.3055, 0.7682, 0.9957
CMYK	0.00, 0.67, 0.99, 0.31
HSL	20°, 99%, 35%
HSV	20°, 99%, 69%
XYZ	19.7314, 12.5000, 1.4041
YIQ	87.6700, 88.9460, 6.9780

Conversions

Conversions Part 2

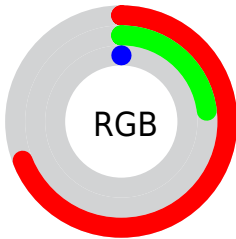
Format	Color
RYB	177, 88, 1
Decimal	11614977
CIELab	42.00, 46.06, 53.10
CIElCh	42, 70.291, 49.062
Yxy	12.5000, 0.5866, 0.3716
Android (android.graphics.Color)	4289805057 (0xFFB13B01)
YUV	87.6700, -42.7283, 78.3424
Hunter-Lab	35.3553, 37.7467, 22.3940

Details

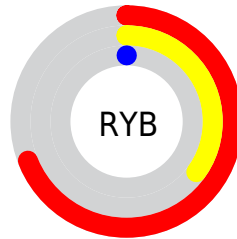
The CIELCh color **42, 70.291, 49.062** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **48, 38.921, 260.960**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 70.136, 49.038**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.703, 49.034**, and if you desaturate by 10%, it is **44, 63.880, 50.183**.

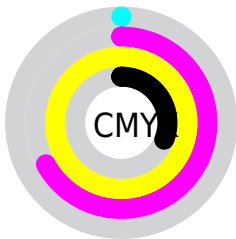
Distribution



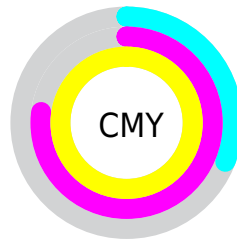
- Red (69%)
- Green (23%)
- Blue (0%)



- Red (69%)
- Yellow (35%)
- Blue (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (99%)
- Black (31%)



- Cyan (31%)
- Magenta (77%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 70.291, 49.062 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, 70.291, 49.062 by changing the saturation by 10% instead.

42, 70.291, 49.062

42, 70.291, 49.062

100, 70.291,
49.062

32, 70.291, 49.062

62, 70.291, 49.062

22, 70.291, 49.062

72, 70.291, 49.062

12, 70.291, 49.062

82, 70.291, 49.062

2, 70.291, 49.062

92, 70.291, 49.062

0, 70.291, 49.062

42, 70.291, 49.062

42, 70.291, 49.062

42, 70.703, 49.034

44, 63.880, 50.183

47, 56.233, 50.873

■ 49, 47.995, 51.259

■ 52, 39.807, 51.603

■ 55, 31.960, 52.010

■ 58, 24.568, 52.509

■ 62, 17.662, 53.095

■ 65, 11.231, 53.748

■ 69, 5.244, 54.428

Harmonies

Complementary

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



42, 70.291, 49.062



48, 38.921, 260.960

Rectangle

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



42, 70.291, 49.062



42, 70.291, 99.062



42, 70.291, 229.062



42, 70.291, 279.062

Sweetspot

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



42, 70.289, 49.064



78, 22.356, 53.025



39, 69.491, 345.937



39, 15.470, 52.778



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 70.289, 49.064



54, 86.360, 48.434



61, 65.405, 89.436



36, 3.185, 54.432



36, 63.207, 49.450



4, 7.579, 45.956

Inverse Universe

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



48, 38.921, 260.960



61, 47.916, 262.210



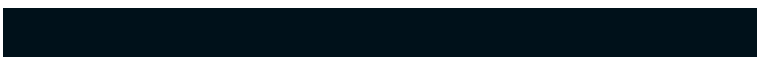
25, 89.887, 302.758



36, 3.043, 236.119



41, 34.855, 260.598



4, 7.707, 248.221

Previews

White Background



This preview shows how the CIELCh color 42, 70.291, 49.062 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, 70.291, 49.062 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, 70.291, 49.062

Background



This preview shows how black text looks on a background with the CIELCh color 42, 70.291, 49.062.



This preview shows how white text looks on a background with the CIELCh color 42, 70.291, 49.062.

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, 70.291, 49.062

Protanopia

42, 44.119, 95.139

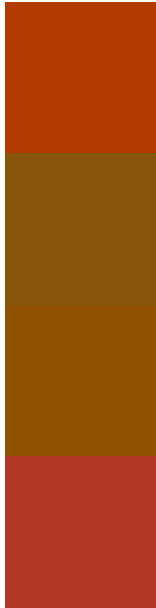
Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 56.548, 28.309

Trichromacy



Original Color
42, 70.291, 49.062

Protanomaly
41, 48.647, 71.146

Deuteranomaly
41, 54.650, 66.992

Tritanomaly
42, 62.051, 38.711

Monochromacy



Original Color
42, 70.291, 49.062

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 25.313, 51.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 70.291, 49.062 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(177, 59, 1)` looks like.

```
.text, #text, p{  
    color:rgb(177, 59, 1)  
}
```

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(177, 59, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 59, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 70.291, 49.062 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(177, 59, 1) }
```

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

```
.border{ border-color:rgb(177, 59, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 59, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 59, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 59, 1);  
box-shadow:4px 4px 4px 4px rgb(177, 59, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 70.291, 49.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 59, 1) }
```

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

```
.background{ background-color: rgb(177, 59,  
1) }
```

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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