

Converting Colors

CIELCh(42, 49.116, 101.688)

Have a look what the booklet for
CIELCh(42, 49.116, 101.688)
contains.

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Color

CIELCh(42, 48.940, 101.759)

Conversions

Conversions Part 1

Format	Color
Hex	686602
RGB	104, 102, 2
RGB Percent	41%, 40%, 1%
CMY	0.5914, 0.5993, 0.9911
CMYK	0.00, 0.02, 0.98, 0.59
HSL	59°, 96%, 21%
HSV	59°, 98%, 41%
XYZ	10.5149, 12.5000, 1.9234
YIQ	91.1980, 33.2920, -30.6760

Conversions

Conversions Part 2

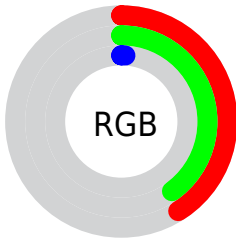
Format	Color
R_{YB}	4, 104, 2
Decimal	6841858
CIE Lab	42.00, -9.97, 47.91
CIE LCh	42, 48.940, 101.759
Yxy	12.5000, 0.4216, 0.5012
Android (android.graphics.Color)	4285031938 (0xFF686602)
YUV	91.1980, -43.9746, 11.2274
Hunter-Lab	35.3553, -8.7849, 21.5233

Details

The CIELCh color **42, 48.940, 101.759** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 66.827, 305.463**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 49.216, 102.041**, and **22, 31.917, 106.282** is the 20% darker color. If you saturate the color by 10%, you get **42, 49.508, 101.667**, and if you desaturate by 10%, it is **42, 46.442, 102.188**.

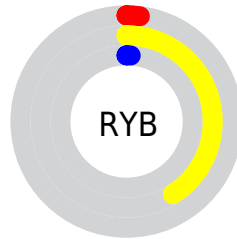
Distribution



Red (41%)

Green (40%)

Blue (1%)



Red (2%)

Yellow (41%)

Blue (1%)

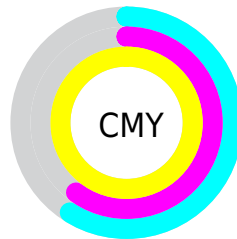


Cyan (0%)

Magenta (2%)

Yellow (98%)

Black (59%)



Cyan (59%)


Magenta (60%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 48.940, 101.759 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, 48.940, 101.759 by changing the saturation by 10% instead.


 42, 48.940,
101.759

 42, 48.940,
101.759


 100, 48.940,
101.759


 32, 48.940,
101.759

 62, 48.940,
101.759


 22, 48.940,
101.759

 72, 48.940,
101.759

 12, 48.940,
101.759

 82, 48.940,
101.759

 2, 48.940, 101.759

 92, 48.940,
101.759

 0, 48.940, 101.759

 42, 48.940,

 42, 48.940,

101.759

■ 42, 49.508,
101.667

101.759

■ 42, 46.442,
102.188

■ 42, 43.167,
102.720

■ 42, 38.916,
103.386

■ 43, 33.959,
104.156

■ 43, 28.529,
105.001

■ 43, 22.796,
105.893

■ 43, 16.879,
106.812

■ 43, 10.854,
107.740

Harmonies

Complementary

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



42, 48.940, 101.759



10, 66.827, 305.463

Rectangle

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



42, 48.940, 101.759



42, 48.940, 151.759



42, 48.940, 281.759



42, 48.940, 331.759

Sweetspot

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



42, 48.940, 101.761



55, 21.753, 106.629



20, 49.919, 34.652



28, 15.015, 106.335



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 48.940, 101.761



54, 59.605, 101.633



39, 54.731, 125.943



21, 3.363, 108.563



46, 53.002, 101.654



92, 91.839, 101.579

Inverse Universe

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



10, 66.827, 305.463



14, 82.444, 305.941



14, 63.633, 311.721



19, 3.428, 290.256



11, 73.103, 305.870



31, 127.924, 306.118

Previews

White Background



This preview shows how the CIELCh color 42, 48.940, 101.759 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, 48.940, 101.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

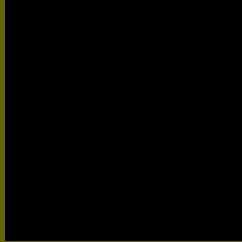
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 48.940, 101.759

Background



This preview shows how black text looks on a background with the CIELCh color 42, 48.940, 101.759.



This preview shows how white text looks on a background with the CIELCh color 42, 48.940, 101.759.

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, 48.940, 101.759

Protanopia

42, 49.163, 95.810

Deuteranopia

42, 45.693, 83.399



Tritanopia
42, 7.927, 348.361

Trichromacy



Original Color
42, 48.940, 101.759

Protanomaly
42, 49.015, 98.205

Deuteranomaly
42, 46.346, 90.664

Tritanomaly
42, 19.844, 92.230

Monochromacy



Original Color
42, 48.940, 101.759

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 21.557, 105.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 48.940, 101.759 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(104, 102, 2)` looks like.

```
.text, #text, p{  
    color:rgb(104, 102, 2)  
}
```

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(104, 102, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 102, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 48.940, 101.759 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(104, 102, 2) }
```

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

```
.border{ border-color:rgb(104, 102, 2) }
```

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

Here you see how a box with a 4 pixel rgb(104, 102, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 102, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 102, 2);  
box-shadow:4px 4px 4px 4px rgb(104, 102,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 48.940, 101.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 102, 2) }
```

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

```
.background{ background-color: rgb(104,  
102, 2) }
```

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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