

Converting Colors

CIELCh(41, 48.537, 99.762)

Have a look what the booklet for
CIELCh(41, 48.537, 99.762) contains.

CIELCh(41, 48.487, 99.888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 48.487, 99.888)

Conversions

Conversions Part 1

Format	Color
Hex	686300
RGB	104, 99, 0
RGB Percent	41%, 39%, 0%
CMY	0.5922, 0.6118, 1.0000
CMYK	0.00, 0.05, 1.00, 0.59
HSL	57°, 100%, 20%
HSV	57°, 100%, 41%
XYZ	10.1688, 11.8645, 1.7538
YIQ	89.2090, 34.7590, -29.7290

Conversions

Conversions Part 2

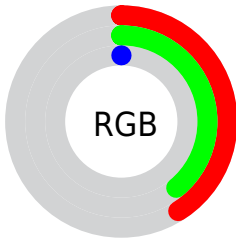
Format	Color
R_YB	5, 104, 0
Decimal	6841088
CIE Lab	41.00, -8.33, 47.77
CIE LCh	41, 48.487, 99.888
Yxy	11.8645, 0.4275, 0.4988
Android (android.graphics.Color)	4285031168 (0xFF686300)
YUV	89.2090, -43.9800, 12.9717
Hunter-Lab	34.4449, -7.5821, 21.0926

Details

The CIELCh color **41, 48.487, 99.888** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 66.460, 305.159**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.519, 99.812**, and **21, 30.371, 103.502** is the 20% darker color. If you saturate the color by 10%, you get **41, 48.485, 99.890**, and if you desaturate by 10%, it is **41, 45.982, 100.435**.

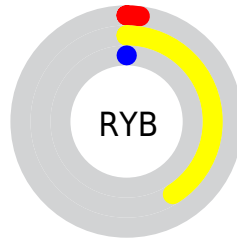
Distribution



Red (41%)

Green (39%)

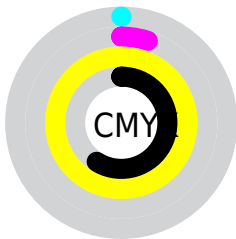
Blue (0%)



Red (2%)

Yellow (41%)

Blue (0%)

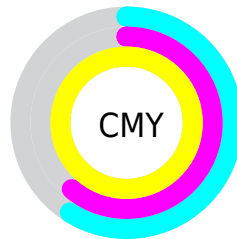


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 48.487, 99.888 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 41, 48.487, 99.888 by changing the saturation by 10% instead.

41, 48.487, 99.888

41, 48.487, 99.888

100, 48.487,
99.888

31, 48.487, 99.888

61, 48.487, 99.888

21, 48.487, 99.888

71, 48.487, 99.888

11, 48.487, 99.888

81, 48.487, 99.888

1, 48.487, 99.888

91, 48.487, 99.888

0, 48.487, 99.888

41, 48.487, 99.888

41, 48.487, 99.888

41, 48.485, 99.890

41, 45.982,
100.435

41, 42.981,

101.044

■ 42, 38.963,
101.768

■ 42, 34.208,
102.585

■ 42, 28.962,
103.468

■ 42, 23.406,
104.394

■ 43, 17.664,
105.343

■ 43, 11.816,
106.299

■ 44, 5.915, 107.246

Harmonies

Complementary

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



41, 48.487, 99.888



10, 66.460, 305.159

Rectangle

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



41, 48.487, 99.888



41, 48.487, 149.888



41, 48.487, 279.888



41, 48.487, 329.888

Sweetspot

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



41, 48.485, 99.890



55, 21.897, 105.262



20, 50.268, 34.223



28, 15.031, 104.967



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 48.485, 99.890



53, 58.427, 99.803



39, 55.083, 125.406



21, 3.268, 107.348



45, 51.971, 99.855



90, 89.949, 99.664

Inverse Universe

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



10, 66.460, 305.159



15, 80.996, 305.450



13, 64.845, 311.421



19, 3.328, 289.081



12, 71.563, 305.277



31, 126.793, 305.873

Previews

White Background



This preview shows how the CIELCh color 41, 48.487, 99.888 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 CIE LCh color 41, 48.487, 99.888 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 41, 48.487, 99.888

Background



This preview shows how black text looks on a background with the CIELCh color 41, 48.487, 99.888.



This preview shows how white text looks on a background with the CIELCh color 41, 48.487, 99.888.

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

41, 48.487, 99.888

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 45.068, 83.688



Tritanopia
41, 8.701, 351.539

Trichromacy



Original Color
41, 48.487, 99.888

Protanomaly
41, 48.303, 97.470

Deuteranomaly
41, 45.867, 90.458

Tritanomaly
41, 20.234, 89.516

Monochromacy



Original Color
41, 48.487, 99.888

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 21.623, 105.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 48.487, 99.888 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 99, 0)  
}
```

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, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 48.487, 99.888 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, 99, 0) }
```

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

```
.border{ border-color:rgb(104, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 48.487, 99.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 0) }
```

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

```
.background{ background-color: rgb(104, 99,  
0) }
```

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