

Converting Colors

CIELCh(41, 48.380, 102.508)

Have a look what the booklet for
CIELCh(41, 48.380, 102.508)
contains.

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Color

CIELCh(41, 48.501, 102.300)

Conversions

Conversions Part 1

Format	Color
Hex	656401
RGB	101, 100, 1
RGB Percent	40%, 39%, 0%
CMY	0.6042, 0.6081, 0.9964
CMYK	0.00, 0.01, 0.99, 0.60
HSL	59°, 98%, 20%
HSV	59°, 99%, 40%
XYZ	9.9132, 11.8645, 1.7936
YIQ	89.0130, 32.3750, -30.5770

Conversions

Conversions Part 2

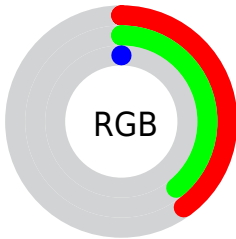
Format	Color
R_{YB}	2, 101, 1
Decimal	6644737
CIE _{Lab}	41.00, -10.33, 47.39
CIE _{LCh}	41, 48.501, 102.300
Yxy	11.8645, 0.4206, 0.5033
Android (android.graphics.Color)	4284834817 (0xFF656401)
YUV	89.0130, -43.3904, 10.5126
Hunter-Lab	34.4449, -8.9068, 21.0242

Details

The CIELCh color **41, 48.501, 102.300** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 66.594, 305.884**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.773, 102.539**, and **21, 30.939, 107.539** is the 20% darker color. If you saturate the color by 10%, you get **41, 48.741, 102.265**, and if you desaturate by 10%, it is **41, 45.975, 102.698**.

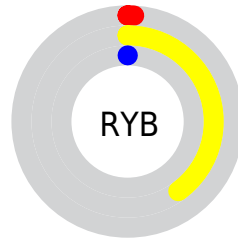
Distribution



Red (40%)

Green (39%)

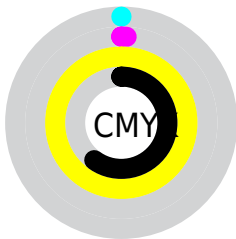
Blue (0%)



Red (1%)

Yellow (40%)

Blue (0%)

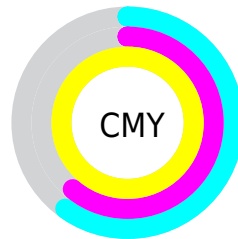


Cyan (0%)

Magenta (1%)

Yellow (99%)

Black (60%)



Cyan (60%)

Magenta (61%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 48.501, 102.300 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, 48.501, 102.300 by changing the saturation by 10% instead.


 41, 48.501,
102.300

 41, 48.501,
102.300


 100, 48.501,
102.300


 31, 48.501,
102.300

 61, 48.501,
102.300


 21, 48.501,
102.300

 71, 48.501,
102.300

 11, 48.501,
102.300


 81, 48.501,
102.300

 1, 48.501, 102.300

 91, 48.501,
102.300

 0, 48.501, 102.300

 41, 48.501,

 41, 48.501,

102.300

102.300

■ 41, 48.741,
102.265

■ 41, 45.975,
102.698

■ 41, 42.878,
103.178

■ 41, 38.804,
103.802

■ 41, 34.012,
104.538

■ 42, 28.731,
105.355

■ 42, 23.133,
106.226

■ 42, 17.340,
107.128

■ 42, 11.429,
108.043

Harmonies

Complementary

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



41, 48.501, 102.300



9, 66.594, 305.884

Rectangle

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



41, 48.501, 102.300



41, 48.501, 152.300



41, 48.501, 282.300



41, 48.501, 332.300

Sweetspot

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



41, 48.501, 102.302



53, 21.997, 106.969



19, 49.357, 35.068



27, 15.095, 106.697



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 48.501, 102.302



52, 58.383, 102.249



38, 54.167, 126.512



21, 3.396, 108.969



46, 53.373, 102.256



92, 92.520, 102.220

Inverse Universe

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



9, 66.594, 305.884



13, 80.661, 306.105



13, 62.587, 312.151



19, 3.463, 290.649



11, 73.656, 306.077



31, 128.318, 306.202

Previews

White Background



This preview shows how the CIELCh color 41, 48.501, 102.300 looks on a white background.

Color Contrast Check

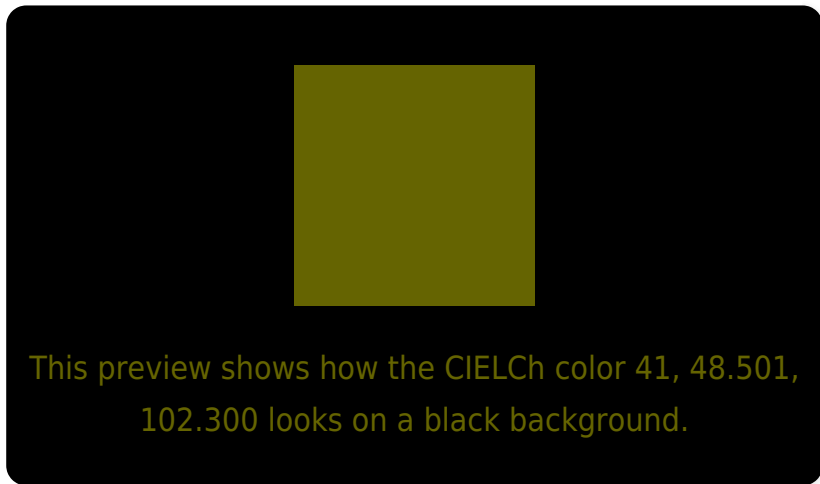
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

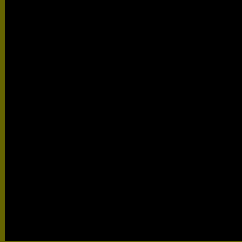
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 48.501, 102.300

Background



This preview shows how black text looks on a background with the CIELCh color 41, 48.501, 102.300.



This preview shows how white text looks on a background with the CIELCh color 41, 48.501, 102.300.

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, 48.501, 102.300

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 44.768, 83.608



Tritanopia
41, 7.254, 344.661

Trichromacy



Original Color
41, 48.501, 102.300

Protanomaly
41, 48.255, 98.067

Deuteranomaly
41, 45.490, 91.048

Tritanomaly
41, 19.672, 94.804

Monochromacy



Original Color
41, 48.501, 102.300

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 21.618, 106.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 48.501, 102.300 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(101, 100, 1)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 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(101, 100, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 48.501, 102.300 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(101, 100, 1) }
```

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

```
.border{ border-color:rgb(101, 100, 1) }
```

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

Here you see how a box with a 4 pixel rgb(101, 100, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 1);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 48.501, 102.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 1) }
```

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

```
.background{ background-color: rgb(101,  
100, 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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