

Converting Colors

CIELCh(40, 47.319, 100.553)

Have a look what the booklet for
CIELCh(40, 47.319, 100.553)
contains.

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Color

CIELCh(40, 47.499, 100.465)

Conversions

Conversions Part 1

Format	Color
Hex	656101
RGB	101, 97, 1
RGB Percent	40%, 38%, 0%
CMY	0.6051, 0.6207, 0.9974
CMYK	0.00, 0.04, 0.99, 0.61
HSL	58°, 99%, 20%
HSV	58°, 99%, 39%
XYZ	9.5876, 11.2510, 1.6853
YIQ	87.2520, 33.2000, -29.0080

Conversions

Conversions Part 2

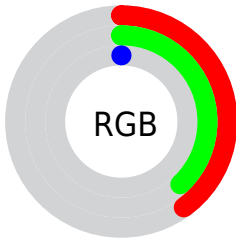
Format	Color
R_{YB}	5, 101, 1
Decimal	6643969
CIE Lab	40.00, -8.63, 46.71
CIE LCh	40, 47.499, 100.465
Yxy	11.2510, 0.4257, 0.4995
Android (android.graphics.Color)	4284834049 (0xFF656101)
YUV	87.2520, -42.5222, 12.0570
Hunter-Lab	33.5425, -7.6781, 20.5008

Details

The CIELCh color $40, 47.499, 100.465$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $9, 64.956, 305.211$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 47.151, 100.322$, and $20, 29.315, 104.754$ is the 20% darker color. If you saturate the color by 10%, you get $40, 47.676, 100.433$, and if you desaturate by 10%, it is $40, 44.980, 100.984$.

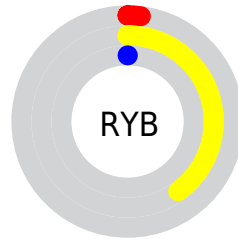
Distribution



Red (40%)

Green (38%)

Blue (0%)



Red (2%)

Yellow (40%)

Blue (0%)

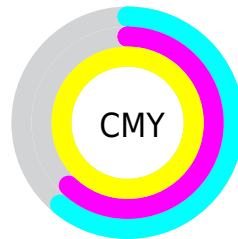


Cyan (0%)

Magenta (4%)

Yellow (99%)

Black (61%)



Cyan (61%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 47.499, 100.465 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 40, 47.499, 100.465 by changing the saturation by 10% instead.

 40, 47.499,
100.465


 40, 47.499,
100.465

 100, 47.499,
100.465


 30, 47.499,
100.465

 60, 47.499,
100.465


 20, 47.499,
100.465

 70, 47.499,
100.465

 10, 47.499,
100.465

 80, 47.499,
100.465

 0, 47.499, 100.465

 90, 47.499,
100.465

 40, 47.499,

 40, 47.499,

100.465

100.465

■ 40, 47.676,
100.433

■ 40, 44.980,
100.984

■ 40, 41.942,
101.571

■ 41, 37.938,
102.278

■ 41, 33.236,
103.079

■ 41, 28.068,
103.948

■ 41, 22.605,
104.861

■ 42, 16.964,
105.797

■ 42, 11.221,
106.740

Harmonies

Complementary

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



40, 47.499, 100.465



9, 64.956, 305.211

Rectangle

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



40, 47.499, 100.465



40, 47.499, 150.465



40, 47.499, 280.465



40, 47.499, 330.465

Sweetspot

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



40, 47.499, 100.467



53, 21.387, 105.655



19, 48.676, 33.735



27, 14.681, 105.373



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 47.499, 100.467



51, 57.160, 100.361



38, 53.603, 125.325



21, 3.296, 107.713



45, 52.269, 100.394



90, 90.494, 100.239

Inverse Universe

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



9, 64.956, 305.211



14, 79.091, 305.562



13, 63.026, 311.442



19, 3.357, 289.434



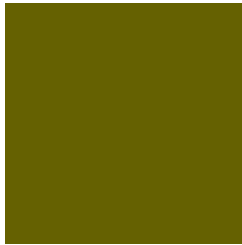
11, 72.009, 305.450



31, 127.132, 305.947

Previews

White Background



This preview shows how the CIELCh color 40, 47.499, 100.465 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 40, 47.499, 100.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

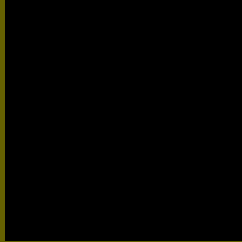
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 47.499, 100.465

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.499, 100.465.



This preview shows how white text looks on a background with the CIELCh color 40, 47.499, 100.465.

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


40, 47.499, 100.465

Protanopia

40, 47.468, 95.490

Deuteranopia

40, 44.143, 83.909



Tritanopia
40, 8.362, 350.056

Trichromacy



Original Color
40, 47.499, 100.465

Protanomaly
40, 47.621, 97.372

Deuteranomaly
40, 44.774, 90.092

Tritanomaly
40, 19.209, 88.589

Monochromacy



Original Color
40, 47.499, 100.465

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.109, 105.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.499, 100.465 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, 97, 1)` looks like.

```
.text, #text, p{  
    color:rgb(101, 97, 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, 97, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 97, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.499, 100.465 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, 97, 1) }
```

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

```
.border{ border-color:rgb(101, 97, 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, 97, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 97, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 97, 1);  
box-shadow:4px 4px 4px 4px rgb(101, 97, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.499, 100.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 97, 1) }
```

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

```
.background{ background-color: rgb(101, 97,  
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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