

Converting Colors

CIELCh(40, 47.705, 102.866)

Have a look what the booklet for
CIELCh(40, 47.705, 102.866)
contains.

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Color

CIELCh(40, 47.807, 102.891)

Conversions

Conversions Part 1

Format	Color
Hex	626201
RGB	98, 98, 1
RGB Percent	38%, 38%, 0%
CMY	0.6171, 0.6170, 0.9977
CMYK	0.00, 0.00, 0.99, 0.62
HSL	60°, 99%, 19%
HSV	60°, 99%, 38%
XYZ	9.3379, 11.2510, 1.6962
YIQ	86.9420, 31.1370, -30.1670

Conversions

Conversions Part 2

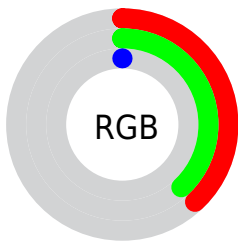
Format	Color
R _Y B	1, 98, 1
Decimal	6447617
CIE Lab	40.00, -10.67, 46.60
CIE LCh	40, 47.807, 102.891
Yxy	11.2510, 0.4190, 0.5049
Android (android.graphics.Color)	4284637697 (0xFF626201)
YUV	86.9420, -42.3694, 9.6979
Hunter-Lab	33.5425, -9.0067, 20.4816

Details

The CIELCh color **40, 47.807, 102.891** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **8, 65.828, 306.175**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 47.464, 102.543**, and **20, 29.948, 108.904** is the 20% darker color. If you saturate the color by 10%, you get **40, 47.969, 102.870**, and if you desaturate by 10%, it is **40, 45.244, 103.262**.

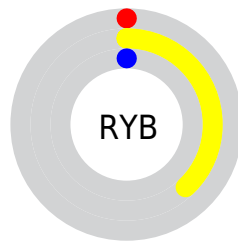
Distribution



Red (38%)

Green (38%)

Blue (0%)



Red (0%)

Yellow (38%)

Blue (0%)

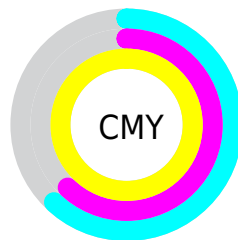


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (62%)



Cyan (62%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 47.807, 102.891 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, 47.807, 102.891 by changing the saturation by 10% instead.


 40, 47.807,
102.891


 40, 47.807,
102.891


 100, 47.807,
102.891


 30, 47.807,
102.891

 60, 47.807,
102.891


 20, 47.807,
102.891

 70, 47.807,
102.891

 10, 47.807,
102.891

 80, 47.807,
102.891

 0, 47.807, 102.891

 90, 47.807,
102.891

 40, 47.807,

 40, 47.807,

102.891

■ 40, 47.969,
102.870

102.891

■ 40, 45.244,
103.262

■ 40, 42.213,
103.705

■ 40, 38.233,
104.298

■ 40, 33.547,
105.008

■ 40, 28.378,
105.804

■ 41, 22.893,
106.656

■ 41, 17.211,
107.543

■ 41, 11.409,
108.444

Harmonies

Complementary

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



40, 47.807, 102.891



8, 65.828, 306.175

Rectangle

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



40, 47.807, 102.891



40, 47.807, 152.891



40, 47.807, 282.891



40, 47.807, 332.891

Sweetspot

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



40, 47.807, 102.893



52, 21.845, 107.408



18, 48.413, 35.314



26, 14.746, 107.155



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 47.807, 102.893



52, 57.970, 102.871



37, 53.274, 127.021



20, 3.284, 109.391



46, 52.900, 102.870



92, 92.476, 102.871

Inverse Universe

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



8, 65.828, 306.175



13, 80.044, 306.289



13, 61.077, 312.577



18, 3.349, 291.039



10, 73.043, 306.289



30, 127.691, 306.288

Previews

White Background



This preview shows how the CIELCh color 40, 47.807, 102.891 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 40, 47.807, 102.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

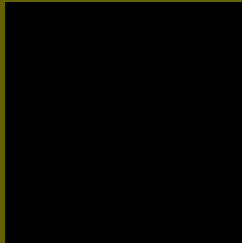
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 47.807, 102.891

Background



This preview shows how black text looks on a background with the CIELCh color 40, 47.807, 102.891.



This preview shows how white text looks on a background with the CIELCh color 40, 47.807, 102.891.

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, 47.807, 102.891

Protanopia

40, 47.468, 95.490

Deuteranopia

40, 43.835, 83.826



Tritanopia
40, 6.942, 342.556

Trichromacy



Original Color
40, 47.807, 102.891

Protanomaly
40, 47.571, 97.980

Deuteranomaly
40, 44.630, 91.450

Tritanomaly
40, 18.616, 94.158

Monochromacy



Original Color
40, 47.807, 102.891

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.104, 106.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 47.807, 102.891 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(98, 98, 1)` looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 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(98, 98, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 47.807, 102.891 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(98, 98, 1) }
```

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

```
.border{ border-color:rgb(98, 98, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 98, 1); box-shadow:4px  
4px 4px 4px rgb(98, 98, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 47.807, 102.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 1) }
```

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

```
.background{ background-color: rgb(98, 98,  
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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