

Converting Colors

CIELCh(40, 94.318, 302.669)

Have a look what the booklet for
CIELCh(40, 94.318, 302.669)
contains.

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Color

CIELCh(40, 94.128, 302.641)

Conversions

Conversions Part 1

Format	Color
Hex	4C44E3
RGB	76, 68, 227
RGB Percent	30%, 27%, 89%
CMY	0.7011, 0.7328, 0.1092
CMYK	0.66, 0.70, 0.00, 0.11
HSL	243°, 74%, 58%
HSV	243°, 70%, 89%
XYZ	18.9602, 11.2510, 73.9654
YIQ	88.5180, -46.2710, 51.1450

Conversions

Conversions Part 2

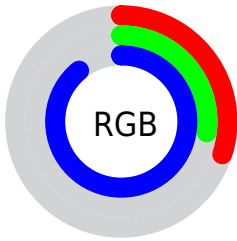
Format	Color
R_{YB}	76, 68, 227
Decimal	4998371
CIE _{Lab}	40.00, 50.77, -79.26
CIE _{LCh}	40, 94.128, 302.641
Yxy	11.2510, 0.1820, 0.1080
Android (android.graphics.Color)	4283188451 (0xFF4C44E3)
YUV	88.5180, 68.2716, -10.9783
Hunter-Lab	33.5425, 42.1997, -107.2623

Details

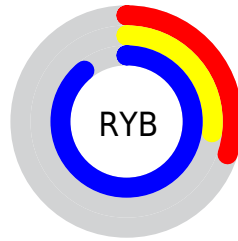
The CIELCh color **40, 94.128, 302.641** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **87, 75.466, 106.503**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 77.650, 302.632**, and **22, 92.257, 304.379** is the 20% darker color. If you saturate the color by 10%, you get **35, 107.095, 304.425**, and if you desaturate by 10%, it is **46, 79.851, 300.690**.

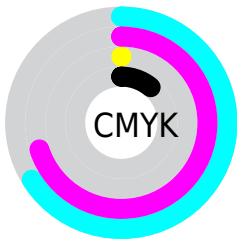
Distribution



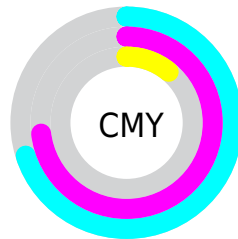
- Red (30%)
- Green (27%)
- Blue (89%)



- Red (30%)
- Yellow (27%)
- Blue (89%)



- Cyan (66%)
- Magenta (70%)
- Yellow (0%)
- Black (11%)





- Cyan (70%)
- Magenta (73%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 94.128, 302.641 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, 94.128, 302.641 by changing the saturation by 10% instead.


 40, 94.128,
302.641


 40, 94.128,
302.641


 100, 94.128,
302.641


 30, 94.128,
302.641

 60, 94.128,
302.641


 20, 94.128,
302.641

 70, 94.128,
302.641

 10, 94.128,
302.641

 80, 94.128,
302.641

 0, 94.128, 302.641

 90, 94.128,
302.641

 40, 94.128,

 40, 94.128,

302.641

302.641

■ 35, 107.095,
304.425

■ 46, 79.851,
300.690

■ 31, 116.919,
305.724

■ 53, 65.390,
298.792

■ 28, 122.386,
306.403

■ 61, 51.259,
297.064

■ 68, 37.643,
295.548

■ 76, 24.578,
294.243

■ 83, 12.047,
293.130

■ 90, 0.018, 294.947

■ 98, 11.547,
111.366

99, 14.084,
109.113

Harmonies

Complementary

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



40, 94.128, 302.641



87, 75.466, 106.503

Rectangle

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



40, 94.128, 302.641



40, 94.128, 352.641



40, 94.128, 122.641



40, 94.128, 172.641

Sweetspot

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



40, 94.129, 302.642



83, 28.400, 294.380



80, 39.233, 203.070



42, 19.334, 294.729



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 94.129, 302.642



37, 122.291, 305.092



48, 91.493, 313.837



44, 6.888, 293.075



21, 102.130, 306.443



2, 33.766, 297.993

Inverse Universe

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



58, 89.021, 329.470



61, 107.007, 329.973



82, 83.600, 127.992



45, 8.024, 326.340



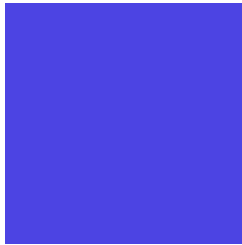
42, 84.984, 330.355



8, 35.882, 330.012

Previews

White Background



This preview shows how the CIELCh color 40, 94.128, 302.641 looks on a white background.

Color Contrast Check

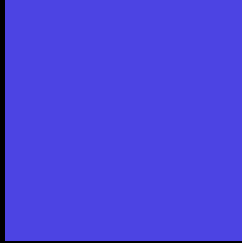
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.128, 302.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

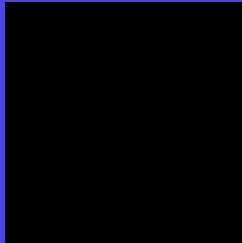
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 94.128, 302.641

Background



This preview shows how black text looks on a background with the CIELCh color 40, 94.128, 302.641.



This preview shows how white text looks on a background with the CIELCh color 40, 94.128, 302.641.

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, 94.128, 302.641

Deuteranopia

40, 42.775, 273.331

Tritanopia

40, 25.044, 208.030

Trichromacy



Original Color
40, 94.128, 302.641

Deuteranomaly
39, 61.146, 289.015

Tritanomaly
38, 40.116, 275.575

Monochromacy



Original Color
40, 94.128, 302.641

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 35.848, 297.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 94.128, 302.641 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(76, 68, 227)` looks like.

```
.text, #text, p{  
    color:rgb(76, 68, 227)  
}
```

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(76, 68, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 68, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 94.128, 302.641 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(76, 68, 227) }
```

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

```
.border{ border-color:rgb(76, 68, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 68, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 68, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 68, 227);  
box-shadow:4px 4px 4px 4px rgb(76, 68,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 94.128, 302.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 68, 227) }
```

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

```
.background{ background-color: rgb(76, 68,  
227) }
```

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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