

Converting Colors

CIELCh(40, 42.841, 301.581)

Have a look what the booklet for
CIELCh(40, 42.841, 301.581)
contains.

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Color

CIELCh(40, 42.906, 301.647)

Conversions

Conversions Part 1

Format	Color
Hex	61549A
RGB	97, 84, 154
RGB Percent	38%, 33%, 60%
CMY	0.6190, 0.6700, 0.3955
CMYK	0.37, 0.45, 0.00, 0.40
HSL	251°, 29%, 47%
HSV	251°, 45%, 60%
XYZ	13.9735, 11.2510, 32.0763
YIQ	95.8670, -14.7220, 24.5260

Conversions

Conversions Part 2

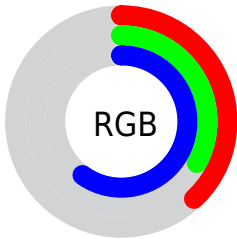
Format	Color
R_{YB}	97, 84, 154
Decimal	6378650
CIE _{Lab}	40.00, 22.51, -36.53
CIE _{LCh}	40, 42.906, 301.647
Yxy	11.2510, 0.2439, 0.1963
Android (android.graphics.Color)	4284568730 (0xFF61549A)
YUV	95.8670, 28.6596, 0.9936
Hunter-Lab	33.5425, 15.6620, -33.2186

Details

The CIELCh color $40, 42.906, 301.647$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 38.485, 114.378$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 42.829, 301.527$, and $20, 42.504, 301.591$ is the 20% darker color. If you saturate the color by 10%, you get $35, 53.180, 302.892$, and if you desaturate by 10%, it is $45, 32.864, 300.507$.

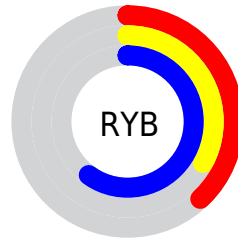
Distribution



Red (38%)

Green (33%)

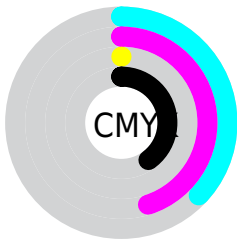
Blue (60%)



Red (38%)

Yellow (33%)

Blue (60%)

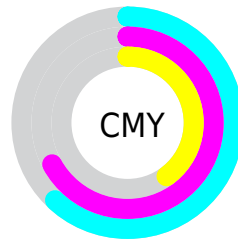


Cyan (37%)

Magenta (45%)

Yellow (0%)

Black (40%)



Cyan (62%)


Magenta (67%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.906, 301.647 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, 42.906, 301.647 by changing the saturation by 10% instead.


 40, 42.906,
301.647


 40, 42.906,
301.647


 100, 42.906,
301.647


 30, 42.906,
301.647

 60, 42.906,
301.647


 20, 42.906,
301.647

 70, 42.906,
301.647

 10, 42.906,
301.647

 80, 42.906,
301.647

 0, 42.906, 301.647

 90, 42.906,
301.647

 40, 42.906,

 40, 42.906,

301.647

■ 35, 53.180,
302.892

■ 30, 63.464,
304.186

■ 26, 73.289,
305.419

■ 22, 81.829,
306.413

■ 19, 88.035,
306.968

■ 18, 90.547,
307.234

301.647

■ 45, 32.864,
300.507

■ 50, 23.145,
299.490

■ 56, 13.777,
298.598

■ 61, 4.755, 297.822

■ 66, 3.934, 117.154

■ 71, 12.310,
116.575

■ 76, 20.393,
116.076

■ 81, 28.201,
115.647

■ 86, 35.752,
115.277

Harmonies

Complementary

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



40, 42.906, 301.647



61, 38.485, 114.378

Rectangle

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



40, 42.906, 301.647



40, 42.906, 351.647



40, 42.906, 121.647



40, 42.906, 171.647

Sweetspot

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



40, 42.905, 301.647



72, 15.525, 298.504



55, 19.795, 219.837



37, 10.844, 298.672



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 42.905, 301.647



46, 65.697, 302.979



44, 44.805, 317.089



30, 4.963, 298.104



16, 84.436, 307.289



0, 5.279, 297.326

Inverse Universe

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



46, 41.866, 332.912



55, 61.611, 333.644



59, 43.260, 133.005



30, 5.222, 330.562



31, 64.297, 337.067



1, 5.555, 330.504

Previews

White Background



This preview shows how the CIELCh color 40, 42.906, 301.647 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, 42.906, 301.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

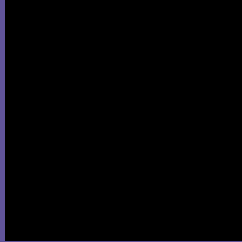
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 42.906, 301.647

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.906, 301.647.



This preview shows how white text looks on a background with the CIELCh color 40, 42.906, 301.647.

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, 42.906, 301.647

Protanopia

40, 42.782, 286.167

Deuteranopia

40, 35.433, 279.181



Tritanopia
40, 5.741, 247.237

Trichromacy



Original Color
40, 42.906, 301.647

Protanomaly
40, 42.606, 291.272

Deuteranomaly
40, 37.842, 288.045

Tritanomaly
40, 18.309, 290.634

Monochromacy



Original Color
40, 42.906, 301.647

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 15.361, 298.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.906, 301.647 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(97, 84, 154)` looks like.

```
.text, #text, p{  
    color:rgb(97, 84, 154)  
}
```

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(97, 84, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 84, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.906, 301.647 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(97, 84, 154) }
```

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

```
.border{ border-color:rgb(97, 84, 154) }
```

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

Here you see how a box with a 4 pixel rgb(97, 84, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 84, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 84, 154);  
box-shadow:4px 4px 4px 4px rgb(97, 84,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.906, 301.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 84, 154) }
```

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

```
.background{ background-color: rgb(97, 84,  
154) }
```

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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