

Converting Colors

CIELCh(40, 44.309, 305.927)

Have a look what the booklet for
CIELCh(40, 44.309, 305.927)
contains.

CIELCh(40, 43.892, 305.898)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 43.892, 305.898)

Conversions

Conversions Part 1

Format	Color
Hex	695299
RGB	105, 82, 153
RGB Percent	41%, 32%, 60%
CMY	0.5897, 0.6798, 0.4015
CMYK	0.31, 0.46, 0.00, 0.40
HSL	259°, 30%, 46%
HSV	259°, 46%, 60%
XYZ	14.4919, 11.2510, 31.3796
YIQ	96.9710, -9.0830, 26.9570

Conversions

Conversions Part 2

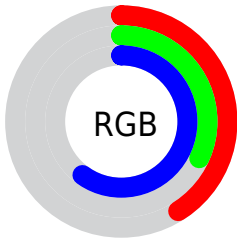
Format	Color
RYB	105, 82, 153
Decimal	6902425
CIELab	40.00, 25.74, -35.56
CIElCh	40, 43.892, 305.898
Yxy	11.2510, 0.2537, 0.1970
Android (android.graphics.Color)	4285092505 (0xFF695299)
YUV	96.9710, 27.6223, 7.0414
Hunter-Lab	33.5425, 18.4207, -31.9871

Details

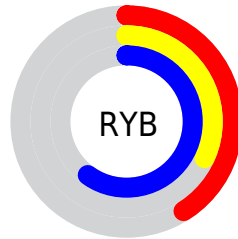
The CIELCh color $[40, 43.892, 305.898]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[60, 39.922, 120.191]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 43.901, 305.749]$, and $[20, 43.914, 305.955]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 53.890, 306.743]$, and if you desaturate by 10%, it is $[45, 33.974, 305.084]$.

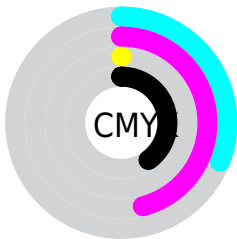
Distribution



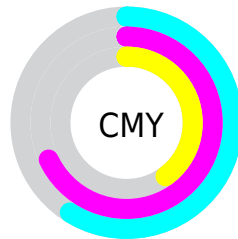
- Red (41%)
- Green (32%)
- Blue (60%)



- Red (41%)
- Yellow (32%)
- Blue (60%)



- Cyan (31%)
- Magenta (46%)
- Yellow (0%)
- Black (40%)




- Cyan (59%)
- Magenta (68%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 43.892, 305.898 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, 43.892, 305.898 by changing the saturation by 10% instead.


 40, 43.892,
305.898


 40, 43.892,
305.898


 100, 43.892,
305.898


 30, 43.892,
305.898

 60, 43.892,
305.898


 20, 43.892,
305.898

 70, 43.892,
305.898

 10, 43.892,
305.898

 80, 43.892,
305.898

 0, 43.892, 305.898

 90, 43.892,
305.898

 40, 43.892,

 40, 43.892,

305.898

■ 35, 53.890,
306.743

■ 31, 63.698,
307.562

■ 27, 72.833,
308.259

■ 23, 80.553,
308.691

■ 21, 86.151,
308.744

■ 20, 87.998,
308.790

305.898

■ 45, 33.974,
305.084

■ 50, 24.278,
304.330

■ 55, 14.865,
303.647

■ 60, 5.758, 303.037

■ 65, 3.042, 122.527

■ 70, 11.543,
122.050

■ 75, 19.760,
121.644

■ 80, 27.707,
121.293

■ 84, 35.401,
120.990

Harmonies

Complementary

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



40, 43.892, 305.898



60, 39.922, 120.191

Rectangle

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



40, 43.892, 305.898



40, 43.892, 355.898



40, 43.892, 125.898



40, 43.892, 175.898

Sweetspot

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



40, 43.891, 305.898



72, 15.598, 303.506



52, 19.912, 239.546



36, 10.776, 303.633



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 43.891, 305.898



46, 66.318, 306.796



44, 46.441, 321.279



30, 5.042, 303.197



18, 82.658, 308.862



0, 5.368, 302.486

Inverse Universe

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



45, 38.714, 338.869



54, 56.574, 339.918



58, 45.692, 136.641



30, 4.733, 335.854



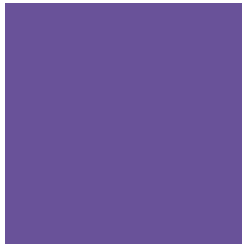
30, 58.551, 346.131



1, 5.035, 335.736

Previews

White Background



This preview shows how the CIELCh color 40, 43.892, 305.898 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, 43.892, 305.898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

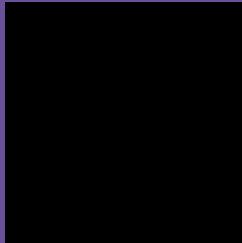
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 43.892, 305.898

Background



This preview shows how black text looks on a background with the CIELCh color 40, 43.892, 305.898.

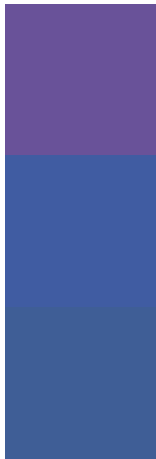


This preview shows how white text looks on a background with the CIELCh color 40, 43.892, 305.898.

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, 43.892, 305.898

Protanopia
40, 42.782, 286.167

Deuteranopia
40, 34.721, 280.350



Tritanopia
40, 4.269, 290.838

Trichromacy



Original Color
40, 43.892, 305.898

Protanomaly
40, 43.201, 292.904

Deuteranomaly
40, 37.190, 289.979

Tritanomaly
40, 18.636, 302.205

Monochromacy



Original Color
40, 43.892, 305.898

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 16.295, 304.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 43.892, 305.898 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(105, 82, 153)` looks like.

```
.text, #text, p{  
    color:rgb(105, 82, 153)  
}
```

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(105, 82, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 82, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 43.892, 305.898 is called "border". The border property can be set on classes, ids or directly on the HTML element.

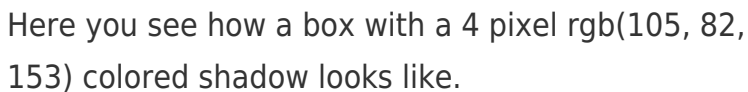
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 82, 153) }
```

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

```
.border{ border-color:rgb(105, 82, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 82, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 82, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 82, 153); box-shadow:4px 4px 4px 4px rgb(105, 82, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 43.892, 305.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 82, 153) }
```

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

```
.background{ background-color: rgb(105, 82,  
153) }
```

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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