

Converting Colors

CIELCh(40, 53.311, 300.733)

Have a look what the booklet for
CIELCh(40, 53.311, 300.733)
contains.

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Color

CIELCh(40, 53.532, 300.843)

Conversions

Conversions Part 1

Format	Color
Hex	5D52AA
RGB	93, 82, 170
RGB Percent	36%, 32%, 67%
CMY	0.6355, 0.6786, 0.3336
CMYK	0.45, 0.52, 0.00, 0.33
HSL	247°, 35%, 49%
HSV	247°, 52%, 67%
XYZ	14.7719, 11.2510, 39.3943
YIQ	95.3210, -21.6920, 29.7000

Conversions

Conversions Part 2

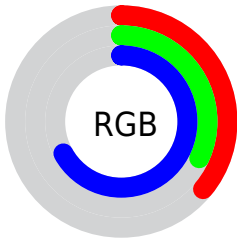
Format	Color
R_{YB}	93, 82, 170
Decimal	6116010
CIE _{Lab}	40.00, 27.45, -45.96
CIE _{LCh}	40, 53.532, 300.843
Yxy	11.2510, 0.2258, 0.1720
Android (android.graphics.Color)	4284306090 (0xFF5D52AA)
YUV	95.3210, 36.8167, -2.0355
Hunter-Lab	33.5425, 19.9107, -46.1540

Details

The CIELCh color `40, 53.532, 300.843` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `67, 46.713, 111.212`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 53.369, 300.855`, and `20, 53.398, 300.751` is the 20% darker color. If you saturate the color by 10%, you get `35, 64.828, 302.383`, and if you desaturate by 10%, it is `46, 42.409, 299.414`.

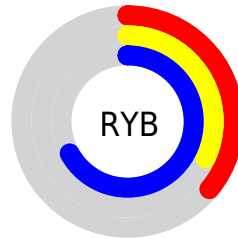
Distribution



Red (36%)

Green (32%)

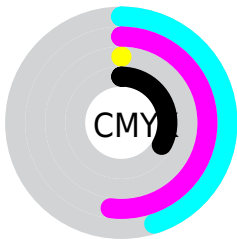
Blue (67%)



Red (36%)

Yellow (32%)

Blue (67%)

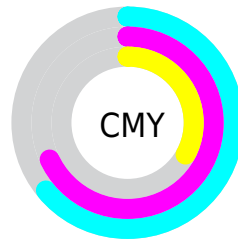


Cyan (45%)

Magenta (52%)

Yellow (0%)

Black (33%)



Cyan (64%)


Magenta (68%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 53.532, 300.843 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, 53.532, 300.843 by changing the saturation by 10% instead.


 40, 53.532,
300.843


 40, 53.532,
300.843


 100, 53.532,
300.843


 30, 53.532,
300.843

 60, 53.532,
300.843


 20, 53.532,
300.843

 70, 53.532,
300.843

 10, 53.532,
300.843

 80, 53.532,
300.843

 0, 53.532, 300.843

 90, 53.532,
300.843

 40, 53.532,

 40, 53.532,

300.843

■ 35, 64.828,
302.383

■ 30, 75.886,
303.931

■ 25, 85.884,
305.307

■ 22, 93.550,
306.257

■ 20, 97.971,
306.770

300.843

■ 46, 42.409,
299.414

■ 51, 31.631,
298.137

■ 57, 21.250,
297.019

■ 63, 11.271,
296.052

■ 69, 1.676, 295.227

■ 74, 7.558, 114.502

■ 80, 16.456,
113.890

■ 85, 25.039,
113.363

■ 91, 33.329,
112.910

Harmonies

Complementary

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



40, 53.532, 300.843



67, 46.713, 111.212

Rectangle

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



40, 53.532, 300.843



40, 53.532, 350.843



40, 53.532, 120.843



40, 53.532, 170.843

Sweetspot

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



40, 53.531, 300.844



77, 19.185, 296.470



61, 24.561, 211.160



40, 13.108, 296.664



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 53.531, 300.844



45, 80.940, 302.594



44, 54.753, 315.257



33, 5.348, 295.832



17, 88.384, 306.826



1, 9.594, 294.402

Inverse Universe

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



48, 53.141, 331.099



58, 76.320, 331.759



64, 51.957, 130.634



33, 5.900, 328.551



34, 69.929, 333.813



2, 10.381, 329.453

Previews

White Background



This preview shows how the CIE LCh color 40, 53.532, 300.843 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, 53.532, 300.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

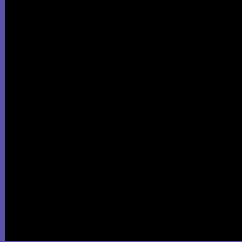
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 53.532, 300.843

Background



This preview shows how black text looks on a background with the CIELCh color 40, 53.532, 300.843.



This preview shows how white text looks on a background with the CIELCh color 40, 53.532, 300.843.

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





Tritanopia
40, 9.513, 229.547

Trichromacy



Original Color
40, 53.532, 300.843

Protanomaly
40, 53.486, 290.917

Deuteranomaly
40, 47.217, 285.395

Tritanomaly
40, 22.732, 284.843

Monochromacy



Original Color
40, 53.532, 300.843

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 19.661, 297.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 53.532, 300.843 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(93, 82, 170)` looks like.

```
.text, #text, p{  
    color:rgb(93, 82, 170)  
}
```

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(93, 82, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 82, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 53.532, 300.843 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(93, 82, 170) }
```

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

```
.border{ border-color:rgb(93, 82, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 82, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 82, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 82, 170);  
box-shadow:4px 4px 4px 4px rgb(93, 82,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 53.532, 300.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 82, 170) }
```

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

```
.background{ background-color: rgb(93, 82,  
170) }
```

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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