

Converting Colors

CIELCh(40, 55.528, 303.322)

Have a look what the booklet for
CIELCh(40, 55.528, 303.322)
contains.

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Color

CIELCh(40, 55.445, 303.287)

Conversions

Conversions Part 1

Format	Color
Hex	6350AB
RGB	99, 80, 171
RGB Percent	39%, 31%, 67%
CMY	0.6131, 0.6875, 0.3308
CMYK	0.42, 0.53, 0.00, 0.33
HSL	253°, 36%, 49%
HSV	253°, 53%, 67%
XYZ	15.2694, 11.2510, 39.7161
YIQ	96.0550, -17.8870, 32.3290

Conversions

Conversions Part 2

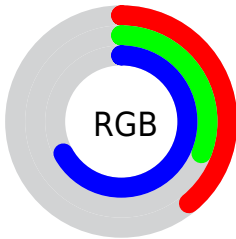
Format	Color
R_{YB}	99, 80, 171
Decimal	6508715
CIE _{Lab}	40.00, 30.43, -46.35
CIE _{LCh}	40, 55.445, 303.287
Yxy	11.2510, 0.2305, 0.1699
Android (android.graphics.Color)	4284698795 (0xFF6350AB)
YUV	96.0550, 36.9479, 2.5828
Hunter-Lab	33.5425, 22.5584, -46.7228

Details

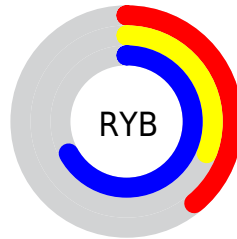
The CIELCh color `40, 55.445, 303.287` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `67, 48.592, 114.910`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 55.307, 303.333`, and `20, 55.801, 303.379` is the 20% darker color. If you saturate the color by 10%, you get `35, 66.587, 304.504`, and if you desaturate by 10%, it is `45, 44.342, 302.121`.

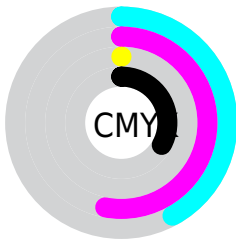
Distribution



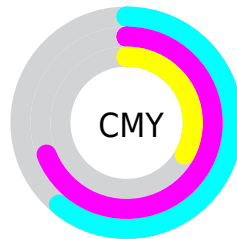
- Red (39%)
- Green (31%)
- Blue (67%)



- Red (39%)
- Yellow (31%)
- Blue (67%)



- Cyan (42%)
- Magenta (53%)
- Yellow (0%)
- Black (33%)





- Cyan (61%)
- Magenta (69%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 55.445, 303.287 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, 55.445, 303.287 by changing the saturation by 10% instead.


 40, 55.445,
303.287


 40, 55.445,
303.287


 100, 55.445,
303.287


 30, 55.445,
303.287

 60, 55.445,
303.287


 20, 55.445,
303.287

 70, 55.445,
303.287

 10, 55.445,
303.287

 80, 55.445,
303.287

 0, 55.445, 303.287

 90, 55.445,
303.287

 40, 55.445,

 40, 55.445,

303.287

■ 35, 66.587,
304.504

■ 30, 77.307,
305.672

■ 26, 86.775,
306.627

■ 23, 93.822,
307.155

■ 21, 97.381,
307.372

303.287

■ 45, 44.342,
302.121

■ 51, 33.500,
301.052

■ 57, 23.007,
300.100

■ 62, 12.891,
299.263

■ 68, 3.146, 298.533

■ 74, 6.242, 117.911

■ 79, 15.293,
117.367

■ 85, 24.029,
116.900

■ 90, 32.468,
116.498

Harmonies

Complementary

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



40, 55.445, 303.287



67, 48.592, 114.910

Rectangle

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



40, 55.445, 303.287



40, 55.445, 353.287



40, 55.445, 123.287



40, 55.445, 173.287

Sweetspot

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



40, 55.444, 303.288



77, 19.303, 299.501



59, 24.056, 223.264



40, 13.186, 299.665



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, 55.444, 303.288



45, 83.450, 304.727



45, 56.983, 317.897



33, 5.383, 298.958



18, 87.557, 307.456



1, 9.647, 297.198

Inverse Universe

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



48, 51.701, 334.391



57, 73.892, 335.299



64, 54.891, 133.057



33, 5.562, 331.367



33, 65.693, 338.454



2, 9.641, 333.148

Previews

White Background



This preview shows how the CIE LCh color 40, 55.445, 303.287 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, 55.445, 303.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

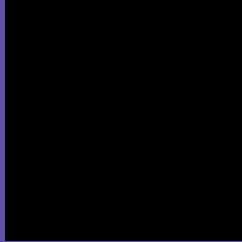
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 55.445, 303.287

Background



This preview shows how black text looks on a background with the CIELCh color 40, 55.445, 303.287.



This preview shows how white text looks on a background with the CIELCh color 40, 55.445, 303.287.

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, 55.445, 303.287

Protanopia

40, 56.063, 287.212

Deuteranopia

40, 44.392, 277.530



Tritanopia
40, 7.208, 241.714

Trichromacy



Original Color
40, 55.445, 303.287

Protanomaly
40, 55.889, 291.684

Deuteranomaly
39, 47.782, 286.430

Tritanomaly
39, 23.235, 291.922

Monochromacy



Original Color
40, 55.445, 303.287

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 20.380, 300.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 55.445, 303.287 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(99, 80, 171)` looks like.

```
.text, #text, p{  
    color:rgb(99, 80, 171)  
}
```

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(99, 80, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 80, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 55.445, 303.287 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(99, 80, 171) }
```

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

```
.border{ border-color:rgb(99, 80, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 80, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 80, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 80, 171);  
box-shadow:4px 4px 4px 4px rgb(99, 80,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 55.445, 303.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 80, 171) }
```

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

```
.background{ background-color: rgb(99, 80,  
171) }
```

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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