

Converting Colors

CIELCh(40, 99.117, 306.965)

Have a look what the booklet for
CIELCh(40, 99.117, 306.965)
contains.

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Color

CIELCh(40, 99.006, 306.945)

Conversions

Conversions Part 1

Format	Color
Hex	6539E3
RGB	101, 57, 227
RGB Percent	40%, 22%, 89%
CMY	0.6036, 0.7763, 0.1096
CMYK	0.55, 0.75, 0.00, 0.11
HSL	256°, 75%, 56%
HSV	256°, 75%, 89%
XYZ	20.7127, 11.2510, 73.7949
YIQ	89.5360, -28.3460, 62.1980

Conversions

Conversions Part 2

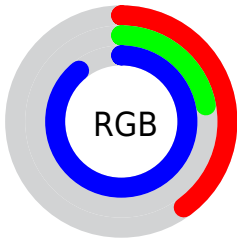
Format	Color
R_{YB}	101, 57, 227
Decimal	6633955
CIE _{Lab}	40.00, 59.51, -79.13
CIE _{LCh}	40, 99.006, 306.945
Yxy	11.2510, 0.1958, 0.1064
Android (android.graphics.Color)	4284824035 (0xFF6539E3)
YUV	89.5360, 67.7698, 10.0539
Hunter-Lab	33.5425, 51.5258, -106.9609

Details

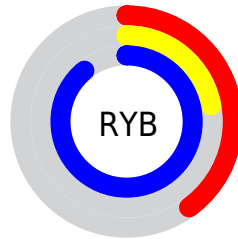
The CIELCh color **40, 99.006, 306.945** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **85, 81.257, 116.577**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 83.107, 308.248**, and **20, 98.104, 306.699** is the 20% darker color. If you saturate the color by 10%, you get **35, 109.900, 307.602**, and if you desaturate by 10%, it is **46, 86.073, 306.004**.

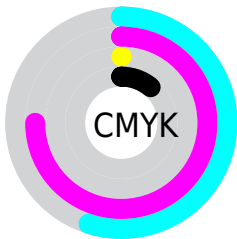
Distribution



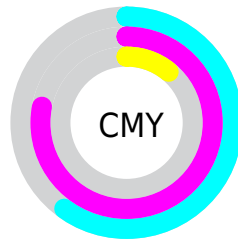
- Red (40%)
- Green (22%)
- Blue (89%)



- Red (40%)
- Yellow (22%)
- Blue (89%)



- Cyan (55%)
- Magenta (75%)
- Yellow (0%)
- Black (11%)





- Cyan (60%)
- Magenta (78%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 99.006, 306.945 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, 99.006, 306.945 by changing the saturation by 10% instead.


 40, 99.006,
306.945


 40, 99.006,
306.945


 100, 99.006,
306.945


 30, 99.006,
306.945

 60, 99.006,
306.945


 20, 99.006,
306.945

 70, 99.006,
306.945

 10, 99.006,
306.945

 80, 99.006,
306.945

 0, 99.006, 306.945

 90, 99.006,
306.945

 40, 99.006,

 40, 99.006,

306.945

■ 35, 109.900,
307.602

■ 32, 117.324,
307.771

■ 31, 119.925,
307.725

306.945

■ 46, 86.073,
306.004

■ 52, 72.272,
304.951

■ 59, 58.319,
303.902


■ 66, 44.584,
302.919

■ 73, 31.237,
302.029

■ 80, 18.340,
301.240

■ 87, 5.906, 300.545

■ 94, 6.076, 119.959

 99, 14.177,
112.766

Harmonies

Complementary

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



40, 99.006, 306.945



85, 81.257, 116.577

Rectangle

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



40, 99.006, 306.945



40, 99.006, 356.945



40, 99.006, 126.945



40, 99.006, 176.945

Sweetspot

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



40, 99.006, 306.946



83, 30.203, 301.803



70, 37.256, 236.679



42, 20.395, 302.029



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, 99.006, 306.946



38, 125.152, 307.770



50, 95.679, 319.793



44, 6.995, 300.853



23, 99.999, 307.853



3, 34.307, 303.035

Inverse Universe

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



55, 80.469, 338.751



58, 94.030, 340.743



81, 92.962, 133.433



45, 6.932, 333.268



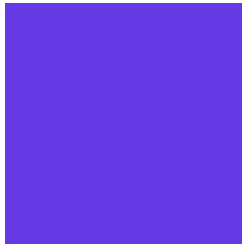
40, 72.617, 341.921



8, 31.316, 339.305

Previews

White Background



This preview shows how the CIE LCh color 40, 99.006, 306.945 looks on a white background.

Color Contrast Check

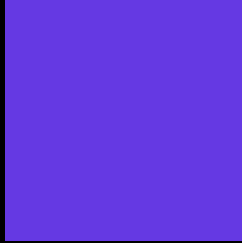
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 99.006, 306.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

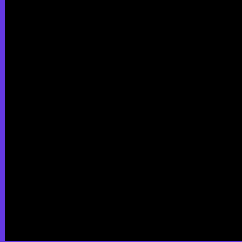
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 99.006, 306.945

Background



This preview shows how black text looks on a background with the CIELCh color 40, 99.006, 306.945.



This preview shows how white text looks on a background with the CIELCh color 40, 99.006, 306.945.

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, 15.306, 216.531

Trichromacy



Original Color
40, 99.006, 306.945

Protanomaly
38, 75.754, 295.146

Deuteranomaly
38, 64.181, 291.720

Tritanomaly
38, 41.137, 292.219

Monochromacy



Original Color
40, 99.006, 306.945

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 38.683, 303.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 99.006, 306.945 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(101, 57, 227)` looks like.

```
.text, #text, p{  
    color:rgb(101, 57, 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(101, 57, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 57, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 99.006, 306.945 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(101, 57, 227) }
```

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

```
.border{ border-color:rgb(101, 57, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 57, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 57, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 57, 227);  
box-shadow:4px 4px 4px 4px rgb(101, 57,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 99.006, 306.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 57, 227) }
```

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

```
.background{ background-color: rgb(101, 57,  
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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