

Converting Colors

CIELCh(40, 58.293, 304.310)

Have a look what the booklet for
CIELCh(40, 58.293, 304.310)
contains.

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Color

CIELCh(40, 58.471, 304.355)

Conversions

Conversions Part 1

Format	Color
Hex	654EAE
RGB	101, 78, 174
RGB Percent	40%, 31%, 68%
CMY	0.6043, 0.6944, 0.3180
CMYK	0.42, 0.55, 0.00, 0.32
HSL	254°, 38%, 49%
HSV	254°, 55%, 68%
XYZ	15.7060, 11.2510, 41.3410
YIQ	95.8210, -17.1080, 34.7320

Conversions

Conversions Part 2

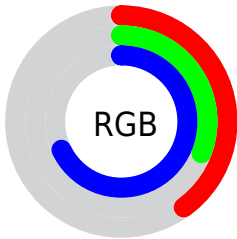
Format	Color
R_{YB}	101, 78, 174
Decimal	6639278
CIE Lab	40.00, 33.00, -48.27
CIE LCh	40, 58.471, 304.355
Yxy	11.2510, 0.2300, 0.1647
Android (android.graphics.Color)	4284829358 (0xFF654EAE)
YUV	95.8210, 38.5422, 4.5420
Hunter-Lab	33.5425, 24.8818, -49.5951

Details

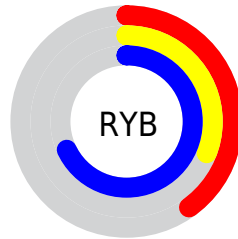
The CIELCh color `40, 58.471, 304.355` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `68, 51.160, 116.189`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 58.238, 304.324`, and `20, 58.777, 304.457` is the 20% darker color. If you saturate the color by 10%, you get `35, 69.662, 305.460`, and if you desaturate by 10%, it is `45, 47.211, 303.269`.

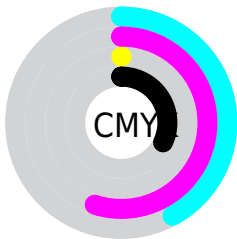
Distribution



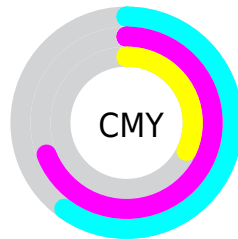
- Red (40%)
- Green (31%)
- Blue (68%)



- Red (40%)
- Yellow (31%)
- Blue (68%)



- Cyan (42%)
- Magenta (55%)
- Yellow (0%)
- Black (32%)





- Cyan (60%)
- Magenta (69%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 58.471, 304.355 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, 58.471, 304.355 by changing the saturation by 10% instead.


 40, 58.471,
304.355


 40, 58.471,
304.355


 100, 58.471,
304.355


 30, 58.471,
304.355

 60, 58.471,
304.355


 20, 58.471,
304.355

 70, 58.471,
304.355

 10, 58.471,
304.355

 80, 58.471,
304.355

 0, 58.471, 304.355

 90, 58.471,
304.355

 40, 58.471,

 40, 58.471,

304.355

■ 35, 69.662,
305.460

■ 30, 80.253,
306.477

■ 26, 89.345,
307.238

■ 23, 95.803,
307.547

■ 22, 98.350,
307.660

304.355

■ 45, 47.211,
303.269

■ 51, 36.154,
302.259

■ 57, 25.420,
301.347

■ 62, 15.053,
300.541

■ 68, 5.057, 299.833

■ 74, 4.577, 119.231

■ 79, 13.868,
118.698

■ 85, 22.836,
118.241

■ 90, 31.500,
117.847

Harmonies

Complementary

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



40, 58.471, 304.355



68, 51.160, 116.189

Rectangle

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



40, 58.471, 304.355



40, 58.471, 354.355



40, 58.471, 124.355



40, 58.471, 174.355

Sweetspot

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



40, 58.470, 304.356



78, 20.993, 300.702



59, 24.896, 228.700



40, 14.206, 300.856



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 58.470, 304.356



45, 87.631, 305.673



45, 60.005, 318.992



34, 5.536, 300.113



18, 88.286, 307.752



1, 11.469, 297.813

Inverse Universe

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



48, 52.987, 335.856



57, 75.347, 336.889



65, 58.122, 133.876



34, 5.577, 332.507



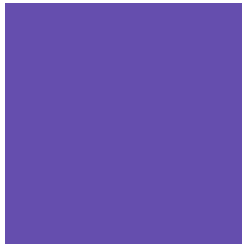
33, 65.045, 340.411



2, 11.043, 335.120

Previews

White Background



This preview shows how the CIELCh color 40, 58.471, 304.355 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, 58.471, 304.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

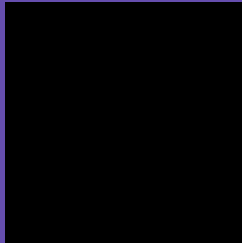
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 58.471, 304.355

Background



This preview shows how black text looks on a background with the CIELCh color 40, 58.471, 304.355.



This preview shows how white text looks on a background with the CIELCh color 40, 58.471, 304.355.

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, 58.471, 304.355

Protanopia

40, 59.067, 287.303

Deuteranopia

40, 46.337, 277.239



Tritanopia
40, 6.677, 246.128

Trichromacy



Original Color
40, 58.471, 304.355

Protanomaly
39, 58.944, 291.874

Deuteranomaly
39, 50.385, 285.875

Tritanomaly
39, 24.496, 294.659

Monochromacy



Original Color
40, 58.471, 304.355

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 21.719, 302.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 58.471, 304.355 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, 78, 174)` looks like.

```
.text, #text, p{  
    color:rgb(101, 78, 174)  
}
```

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, 78, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 78, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 58.471, 304.355 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, 78, 174) }
```

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

```
.border{ border-color:rgb(101, 78, 174) }
```

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

Here you see how a box with a 4 pixel rgb(101, 78, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 78, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 78, 174);  
box-shadow:4px 4px 4px 4px rgb(101, 78,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 58.471, 304.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 78, 174) }
```

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

```
.background{ background-color: rgb(101, 78,  
174) }
```

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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