

Converting Colors

CIELCh(40, 94.498, 304.826)

Have a look what the booklet for
CIELCh(40, 94.498, 304.826)
contains.

CIELCh(40, 94.269, 304.856)	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, 94.269, 304.856)

Conversions

Conversions Part 1

Format	Color
Hex	5B40E0
RGB	91, 64, 224
RGB Percent	36%, 25%, 88%
CMY	0.6436, 0.7494, 0.1220
CMYK	0.59, 0.71, 0.00, 0.12
HSL	250°, 72%, 56%
HSV	250°, 71%, 88%
XYZ	19.5714, 11.2510, 71.5861
YIQ	90.3130, -35.2680, 55.4840

Conversions

Conversions Part 2

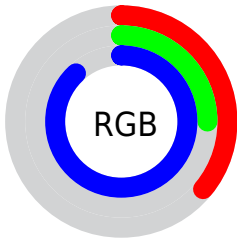
Format	Color
RYB	91, 64, 224
Decimal	5980384
CIELab	40.00, 53.88, -77.36
CIELCh	40, 94.269, 304.856
Yxy	11.2510, 0.1911, 0.1099
Android (android.graphics.Color)	4284170464 (0xFF5B40E0)
YUV	90.3130, 65.9077, 0.6025
Hunter-Lab	33.5425, 45.4522, -103.0566

Details

The CIELCh color **40, 94.269, 304.856** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **85, 76.553, 112.323**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 79.488, 305.524**, and **20, 93.767, 305.214** is the 20% darker color. If you saturate the color by 10%, you get **35, 106.363, 306.019**, and if you desaturate by 10%, it is **46, 80.673, 303.489**.

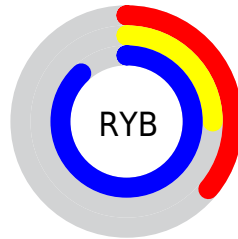
Distribution



Red (36%)

Green (25%)

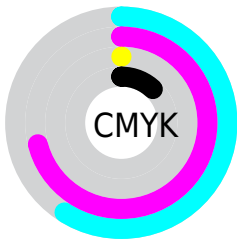
Blue (88%)



Red (36%)

Yellow (25%)

Blue (88%)

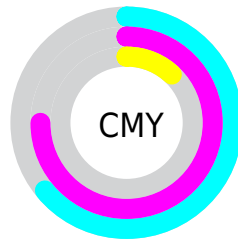


Cyan (59%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (64%)


Magenta (75%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 94.269, 304.856 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, 94.269, 304.856 by changing the saturation by 10% instead.


 40, 94.269,
304.856


 40, 94.269,
304.856


 100, 94.269,
304.856


 30, 94.269,
304.856

 60, 94.269,
304.856


 20, 94.269,
304.856

 70, 94.269,
304.856


 10, 94.269,
304.856

 80, 94.269,
304.856

 0, 94.269, 304.856

 90, 94.269,
304.856

 40, 94.269,

 40, 94.269,

304.856

■ 35, 106.363,
306.019

■ 31, 115.362,
306.730

■ 29, 120.032,
306.942

304.856

■ 46, 80.673,
303.489

■ 53, 66.652,
302.097

■ 60, 52.772,
300.788

■ 67, 39.283,
299.607

■ 74, 26.273,
298.567

■ 81, 13.758,
297.664

■ 88, 1.724, 296.886

■ 95, 9.856, 116.217

■ 99, 15.735,
108.988

Harmonies

Complementary

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



40, 94.269, 304.856



85, 76.553, 112.323

Rectangle

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



40, 94.269, 304.856



40, 94.269, 354.856



40, 94.269, 124.856



40, 94.269, 174.856

Sweetspot

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



40, 94.270, 304.857



83, 28.559, 298.538



74, 35.944, 221.167



42, 19.436, 298.812



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, 94.270, 304.857



38, 123.024, 306.458



49, 91.643, 317.251



43, 6.806, 297.498



22, 100.114, 307.035



2, 31.936, 299.899

Inverse Universe

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



56, 82.287, 334.134



59, 99.111, 335.279



80, 86.846, 131.446



44, 7.256, 330.004



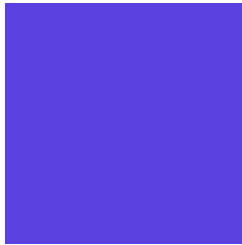
40, 76.741, 336.273



7, 32.053, 334.744

Previews

White Background



This preview shows how the CIELCh color 40, 94.269, 304.856 looks on a white background.

Color Contrast Check

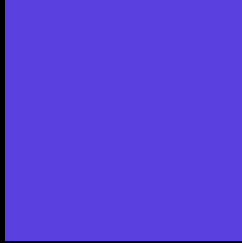
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.269, 304.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

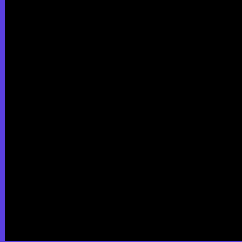
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 94.269, 304.856

Background



This preview shows how black text looks on a background with the CIELCh color 40, 94.269, 304.856.



This preview shows how white text looks on a background with the CIELCh color 40, 94.269, 304.856.

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, 94.269, 304.856

Protanopia

40, 61.041, 286.408

Deuteranopia

40, 43.297, 273.834



Tritanopia
40, 20.041, 213.314

Trichromacy



Original Color
40, 94.269, 304.856

Protanomaly
39, 73.950, 294.104

Deuteranomaly
38, 62.368, 290.328

Tritanomaly
38, 39.596, 284.535

Monochromacy



Original Color
40, 94.269, 304.856

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 35.924, 300.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 94.269, 304.856 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(91, 64, 224)` looks like.

```
.text, #text, p{  
    color:rgb(91, 64, 224)  
}
```

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(91, 64, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 64, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 94.269, 304.856 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(91, 64, 224) }
```

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

```
.border{ border-color:rgb(91, 64, 224) }
```

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

Here you see how a box with a 4 pixel rgb(91, 64, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 64, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 64, 224);  
box-shadow:4px 4px 4px 4px rgb(91, 64,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 94.269, 304.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 64, 224) }
```

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

```
.background{ background-color: rgb(91, 64,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor