

Converting Colors

CIELCh(40, 62.146, 299.303)

Have a look what the booklet for
CIELCh(40, 62.146, 299.303)
contains.

CIELCh(40, 62.303, 299.273)	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, 62.303, 299.273)

Conversions

Conversions Part 1

Format	Color
Hex	5451B8
RGB	84, 81, 184
RGB Percent	33%, 32%, 72%
CMY	0.6702, 0.6820, 0.2781
CMYK	0.54, 0.56, 0.00, 0.28
HSL	242°, 42%, 52%
HSV	242°, 56%, 72%
XYZ	15.2752, 11.2510, 46.7655
YIQ	93.6390, -31.2750, 32.6690

Conversions

Conversions Part 2

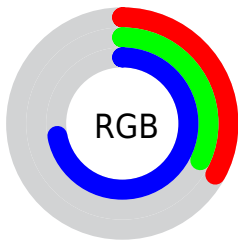
Format	Color
R_{YB}	84, 81, 184
Decimal	5525944
CIE _{Lab}	40.00, 30.46, -54.35
CIE _{LCh}	40, 62.303, 299.273
Yxy	11.2510, 0.2084, 0.1535
Android (android.graphics.Color)	4283716024 (0xFF5451B8)
YUV	93.6390, 44.5480, -8.4534
Hunter-Lab	33.5425, 22.5892, -59.1835

Details

The CIELCh color `40, 62.303, 299.273` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `73, 53.122, 106.401`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 62.722, 299.437`, and `20, 62.424, 299.307` is the 20% darker color. If you saturate the color by 10%, you get `34, 74.539, 301.303`, and if you desaturate by 10%, it is `46, 50.186, 297.377`.

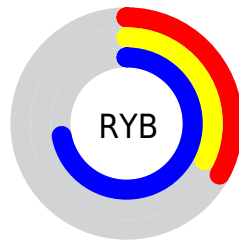
Distribution



Red (33%)

Green (32%)

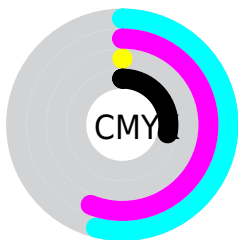
Blue (72%)



Red (33%)

Yellow (32%)

Blue (72%)

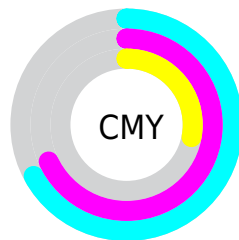


Cyan (54%)

Magenta (56%)

Yellow (0%)

Black (28%)



Cyan (67%)


Magenta (68%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 62.303, 299.273 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, 62.303, 299.273 by changing the saturation by 10% instead.


 40, 62.303,
299.273


 40, 62.303,
299.273


 100, 62.303,
299.273


 30, 62.303,
299.273

 60, 62.303,
299.273


 20, 62.303,
299.273

 70, 62.303,
299.273


 10, 62.303,
299.273

 80, 62.303,
299.273

 0, 62.303, 299.273

 90, 62.303,
299.273

 40, 62.303,

 40, 62.303,

299.273

■ 34, 74.539,
301.303

■ 29, 86.234,
303.294

■ 25, 96.123,
304.965

■ 23, 102.597,
306.016

■ 22, 104.615,
306.374

299.273

■ 46, 50.186,
297.377

■ 52, 38.454,
295.687

■ 59, 27.182,
294.221

■ 65, 16.371,
292.966

■ 71, 5.995, 291.902

■ 77, 3.976, 110.971

■ 84, 13.573,
110.204

■ 90, 22.822,
109.543

■ 96, 31.749,
108.975

Harmonies

Complementary

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



40, 62.303, 299.273



73, 53.122, 106.401

Rectangle

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



40, 62.303, 299.273



40, 62.303, 349.273



40, 62.303, 119.273



40, 62.303, 169.273

Sweetspot

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



40, 62.303, 299.274



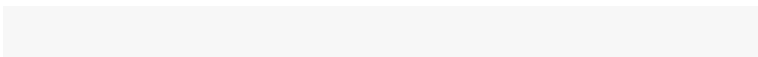
82, 21.671, 293.121



69, 30.303, 198.851



42, 14.545, 293.360



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 62.303, 299.274



44, 94.030, 301.745



45, 62.606, 312.378



35, 5.725, 292.241



18, 92.343, 306.394



1, 15.390, 291.148

Inverse Universe

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



51, 64.575, 328.154



62, 91.540, 328.639



69, 57.835, 127.150



36, 6.774, 325.723



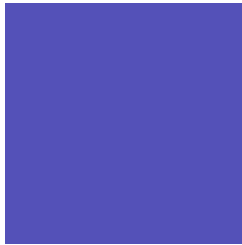
36, 78.098, 329.417



3, 18.273, 325.857

Previews

White Background



This preview shows how the CIE LCh color 40, 62.303, 299.273 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, 62.303, 299.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

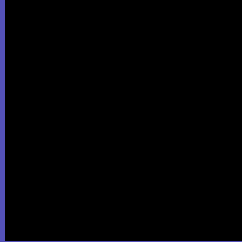
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 62.303, 299.273

Background



This preview shows how black text looks on a background with the CIELCh color 40, 62.303, 299.273.



This preview shows how white text looks on a background with the CIELCh color 40, 62.303, 299.273.

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, 62.303, 299.273

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 45.407, 275.734



Tritanopia
40, 15.575, 216.142

Trichromacy



Original Color
40, 62.303, 299.273

Protanomaly
39, 62.735, 289.628

Deuteranomaly
39, 51.143, 283.721

Tritanomaly
40, 26.570, 275.375

Monochromacy



Original Color
40, 62.303, 299.273

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 23.284, 294.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 62.303, 299.273 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(84, 81, 184)` looks like.

```
.text, #text, p{  
    color:rgb(84, 81, 184)  
}
```

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(84, 81, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 81, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 62.303, 299.273 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(84, 81, 184) }
```

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

```
.border{ border-color:rgb(84, 81, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 81, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 81, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 81, 184);  
box-shadow:4px 4px 4px 4px rgb(84, 81,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 62.303, 299.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 81, 184) }
```

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

```
.background{ background-color: rgb(84, 81,  
184) }
```

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