

Converting Colors

CIELCh(40, 39.035, 295.438)

Have a look what the booklet for
CIELCh(40, 39.035, 295.438)
contains.

CIELCh(40, 38.969, 295.308)	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, 38.969, 295.308)

Conversions

Conversions Part 1

Format	Color
Hex	575898
RGB	87, 88, 152
RGB Percent	34%, 35%, 60%
CMY	0.6592, 0.6552, 0.4043
CMYK	0.43, 0.42, 0.00, 0.40
HSL	239°, 27%, 47%
HSV	239°, 43%, 60%
XYZ	13.0641, 11.2510, 31.1476
YIQ	94.9970, -21.1400, 19.6920

Conversions

Conversions Part 2

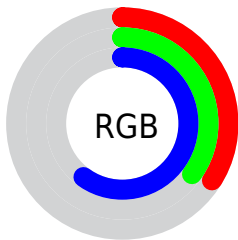
Format	Color
R_{YB}	87, 88, 152
Decimal	5724312
CIE _{Lab}	40.00, 16.66, -35.23
CIE _{LCh}	40, 38.969, 295.308
Yxy	11.2510, 0.2355, 0.2029
Android (android.graphics.Color)	4283914392 (0xFF575898)
YUV	94.9970, 28.1025, -7.0134
Hunter-Lab	33.5425, 10.8227, -31.5771

Details

The CIELCh color `40, 38.969, 295.308` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 35.037, 105.491`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 39.022, 295.309`, and `20, 39.147, 295.346` is the 20% darker color. If you saturate the color by 10%, you get `35, 49.063, 297.251`, and if you desaturate by 10%, it is `45, 29.246, 293.607`.

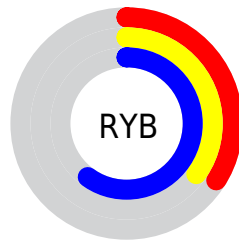
Distribution



Red (34%)

Green (35%)

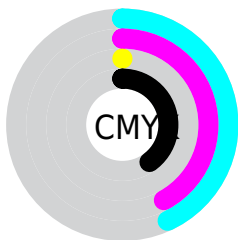
Blue (60%)



Red (34%)

Yellow (35%)

Blue (60%)

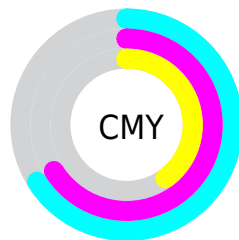


Cyan (43%)

Magenta (42%)

Yellow (0%)

Black (40%)



Cyan (66%)


Magenta (66%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 38.969, 295.308 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, 38.969, 295.308 by changing the saturation by 10% instead.


 40, 38.969,
295.308


 40, 38.969,
295.308


 100, 38.969,
295.308


 30, 38.969,
295.308

 60, 38.969,
295.308


 20, 38.969,
295.308

 70, 38.969,
295.308


 10, 38.969,
295.308

 80, 38.969,
295.308

 0, 38.969, 295.308

 90, 38.969,
295.308

 40, 38.969,

 40, 38.969,

295.308

■ 35, 49.063,
297.251

■ 30, 59.414,
299.391

■ 25, 69.674,
301.608

■ 21, 79.069,
303.669

■ 18, 86.324,
305.258

■ 17, 90.129,
306.051

295.308

■ 45, 29.246,
293.607

■ 51, 19.915,
292.143

■ 56, 10.958,
290.895

■ 61, 2.349, 289.850

■ 67, 5.939, 108.909

■ 72, 13.929,
108.140

■ 77, 21.642,
107.476

■ 82, 29.097,
106.903

■ 87, 36.311,
106.407

Harmonies

Complementary

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



40, 38.969, 295.308



61, 35.037, 105.491

Rectangle

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



40, 38.969, 295.308



40, 38.969, 345.308



40, 38.969, 115.308



40, 38.969, 165.308

Sweetspot

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



40, 38.968, 295.308



71, 13.745, 290.949



59, 21.838, 195.804



36, 9.733, 291.192



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 38.968, 295.308



46, 58.341, 297.089



43, 40.614, 310.638



30, 4.840, 290.499



15, 84.956, 306.027



0, 5.149, 289.569

Inverse Universe

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



44, 29.141, 22.462



53, 43.937, 24.193



59, 38.133, 126.514



30, 3.438, 18.641



28, 65.593, 38.437



1, 3.597, 18.137

Previews

White Background



This preview shows how the CIELCh color 40, 38.969, 295.308 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, 38.969, 295.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

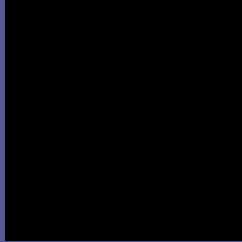
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 38.969, 295.308

Background



This preview shows how black text looks on a background with the CIELCh color 40, 38.969, 295.308.

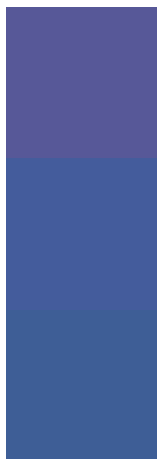


This preview shows how white text looks on a background with the CIELCh color 40, 38.969, 295.308.

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, 38.969, 295.308

Protanopia

40, 39.167, 285.836

Deuteranopia

40, 34.770, 279.968



Tritanopia
40, 9.813, 228.470

Trichromacy



Original Color
40, 38.969, 295.308

Protanomaly
40, 38.994, 288.887

Deuteranomaly
40, 36.144, 285.562

Tritanomaly
40, 18.266, 276.018

Monochromacy



Original Color
40, 38.969, 295.308

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 14.660, 292.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 38.969, 295.308 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(87, 88, 152)` looks like.

```
.text, #text, p{  
    color:rgb(87, 88, 152)  
}
```

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(87, 88, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 88, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 38.969, 295.308 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(87, 88, 152) }
```

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

```
.border{ border-color:rgb(87, 88, 152) }
```

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

Here you see how a box with a 4 pixel rgb(87, 88, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 88, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 88, 152);  
box-shadow:4px 4px 4px 4px rgb(87, 88,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 38.969, 295.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 88, 152) }
```

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

```
.background{ background-color: rgb(87, 88,  
152) }
```

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