

Converting Colors

CIELCh(40, 38.120, 294.996)

Have a look what the booklet for
CIELCh(40, 38.120, 294.996)
contains.

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Color

CIELCh(40, 38.374, 295.226)

Conversions

Conversions Part 1

Format	Color
Hex	575897
RGB	87, 88, 151
RGB Percent	34%, 35%, 59%
CMY	0.6586, 0.6547, 0.4077
CMYK	0.42, 0.42, 0.00, 0.41
HSL	239°, 27%, 47%
HSV	239°, 42%, 59%
XYZ	13.0180, 11.2510, 30.7842
YIQ	94.8830, -20.8190, 19.3810

Conversions

Conversions Part 2

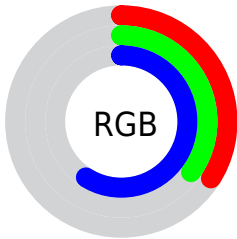
Format	Color
R_{YB}	87, 88, 151
Decimal	5724311
CIE _{Lab}	40.00, 16.35, -34.71
CIE _{LCh}	40, 38.374, 295.226
Yxy	11.2510, 0.2365, 0.2044
Android (android.graphics.Color)	4283914391 (0xFF575897)
YUV	94.8830, 27.6657, -6.9134
Hunter-Lab	33.5425, 10.5772, -30.9348

Details

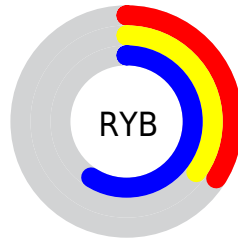
The CIELCh color $40, 38.374, 295.226$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 34.551, 105.528$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 38.464, 295.271$, and $20, 38.504, 295.165$ is the 20% darker color. If you saturate the color by 10%, you get $35, 48.406, 297.158$, and if you desaturate by 10%, it is $45, 28.714, 293.536$.

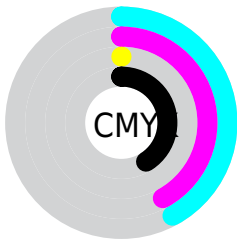
Distribution



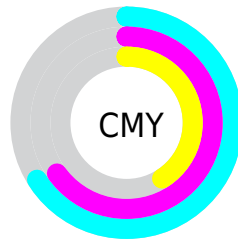
- Red (34%)
- Green (35%)
- Blue (59%)



- Red (34%)
- Yellow (35%)
- Blue (59%)



- Cyan (42%)
- Magenta (42%)
- Yellow (0%)
- Black (41%)




- Cyan (66%)
- Magenta (65%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 38.374, 295.226 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, 38.374, 295.226 by changing the saturation by 10% instead.

 40, 38.374,
295.226


 40, 38.374,
295.226


 100, 38.374,
295.226

 30, 38.374,
295.226

 60, 38.374,
295.226


 20, 38.374,
295.226

 70, 38.374,
295.226

 10, 38.374,
295.226

 80, 38.374,
295.226

 0, 38.374, 295.226

 90, 38.374,
295.226

 40, 38.374,

 40, 38.374,

295.226

■ 35, 48.406,
297.158

■ 30, 58.703,
299.290

■ 25, 68.932,
301.507

■ 21, 78.346,
303.581

■ 18, 85.699,
305.199

■ 17, 89.749,
306.048

295.226

■ 45, 28.714,
293.536

■ 51, 19.443,
292.082

■ 56, 10.543,
290.844

■ 61, 1.988, 289.811

■ 66, 6.249, 108.872

■ 72, 14.190,
108.108

■ 77, 21.856,
107.448

■ 82, 29.266,
106.879

■ 87, 36.437,
106.386

Harmonies

Complementary

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



40, 38.374, 295.226



61, 34.551, 105.528

Rectangle

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



40, 38.374, 295.226



40, 38.374, 345.226



40, 38.374, 115.226



40, 38.374, 165.226

Sweetspot

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



40, 38.373, 295.226



71, 13.744, 290.946



58, 21.568, 195.824



36, 9.732, 291.189



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, 38.373, 295.226



46, 58.336, 297.086



43, 40.019, 310.614



30, 4.839, 290.496



15, 84.952, 306.026



0, 5.149, 289.566

Inverse Universe

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



44, 28.686, 22.385



53, 43.936, 24.188



59, 37.602, 126.533



30, 3.438, 18.636



28, 65.590, 38.435



1, 3.597, 18.132

Previews

White Background



This preview shows how the CIELCh color 40, 38.374, 295.226 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, 38.374, 295.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

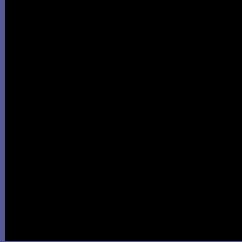
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 38.374, 295.226

Background



This preview shows how black text looks on a background with the CIELCh color 40, 38.374, 295.226.



This preview shows how white text looks on a background with the CIELCh color 40, 38.374, 295.226.

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, 38.374, 295.226

Protanopia

40, 38.550, 285.919

Deuteranopia

40, 34.721, 280.350



Tritanopia
40, 9.813, 228.470

Trichromacy



Original Color
40, 38.374, 295.226

Protanomaly
40, 38.379, 289.070

Deuteranomaly
40, 35.524, 285.691

Tritanomaly
40, 17.694, 275.281

Monochromacy



Original Color
40, 38.374, 295.226

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 14.051, 292.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 38.374, 295.226 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(87, 88, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 88, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 38.374, 295.226 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, 151) }
```

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

```
.border{ border-color:rgb(87, 88, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 88, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 88, 151);  
box-shadow:4px 4px 4px 4px rgb(87, 88,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 38.374, 295.226 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, 151) }
```

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

```
.background{ background-color: rgb(87, 88,  
151) }
```

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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