

Converting Colors

CIELCh(40, 34.314, 313.198)

Have a look what the booklet for
CIELCh(40, 34.314, 313.198)
contains.

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Color

CIELCh(40, 34.101, 313.086)

Conversions

Conversions Part 1

Format	Color
Hex	705287
RGB	112, 82, 135
RGB Percent	44%, 32%, 53%
CMY	0.5604, 0.6781, 0.4702
CMYK	0.17, 0.39, 0.00, 0.47
HSL	274°, 24%, 43%
HSV	274°, 39%, 53%
XYZ	14.0981, 11.2510, 24.3856
YIQ	97.0120, 0.8670, 22.8430

Conversions

Conversions Part 2

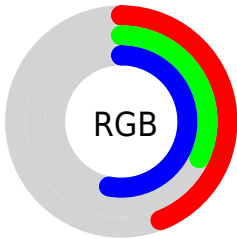
Format	Color
R_{YB}	112, 82, 135
Decimal	7361159
CIE _{Lab}	40.00, 23.29, -24.90
CIE _{LCh}	40, 34.101, 313.086
Yxy	11.2510, 0.2835, 0.2262
Android (android.graphics.Color)	4285551239 (0xFF705287)
YUV	97.0120, 18.7281, 13.1445
Hunter-Lab	33.5425, 16.3252, -19.6246

Details

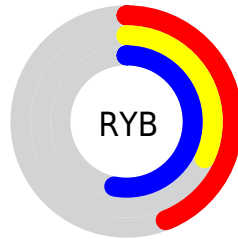
The CIELCh color $40, 34.101, 313.086$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 32.583, 129.590$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 33.814, 313.438$, and $20, 34.301, 313.302$ is the 20% darker color. If you saturate the color by 10%, you get $36, 42.961, 313.539$, and if you desaturate by 10%, it is $44, 25.204, 312.616$.

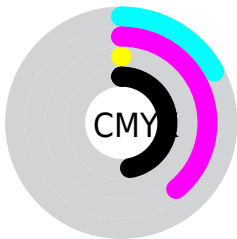
Distribution



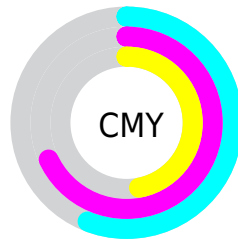
- Red (44%)
- Green (32%)
- Blue (53%)



- Red (44%)
- Yellow (32%)
- Blue (53%)



- Cyan (17%)
- Magenta (39%)
- Yellow (0%)
- Black (47%)





- Cyan (56%)
- Magenta (68%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 34.101, 313.086 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, 34.101, 313.086 by changing the saturation by 10% instead.


 40, 34.101,
313.086


 40, 34.101,
313.086


 100, 34.101,
313.086


 30, 34.101,
313.086

 60, 34.101,
313.086


 20, 34.101,
313.086

 70, 34.101,
313.086

 10, 34.101,
313.086

 80, 34.101,
313.086

 0, 34.101, 313.086

 90, 34.101,
313.086

 40, 34.101,

 40, 34.101,

313.086

36, 42.961,
313.539

32, 51.573,
313.938

29, 59.611,
314.229

26, 66.631,
314.339

23, 72.117,
314.180

21, 76.228,
313.811

21, 76.556,
313.791

313.086

44, 25.204,
312.616

48, 16.406,
312.153

52, 7.781, 311.708

57, 0.628, 131.480

61, 8.805, 130.953

65, 16.744,
130.610

69, 24.447,
130.307

74, 31.922,
130.038

78, 39.179,

129.800

Harmonies

Complementary

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



40, 34.101, 313.086



53, 32.583, 129.590

Rectangle

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



40, 34.101, 313.086



40, 34.101, 3.086



40, 34.101, 133.086



40, 34.101, 183.086

Sweetspot

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



40, 34.100, 313.086



66, 12.594, 311.841



44, 18.932, 267.118



34, 8.430, 311.889



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 34.100, 313.086



48, 50.878, 313.487



43, 35.899, 327.916



26, 4.679, 311.702



20, 74.452, 313.832



0, 1.109, 311.340

Inverse Universe

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



42, 25.784, 351.398



50, 38.206, 352.662



52, 35.950, 142.935



26, 3.557, 348.094



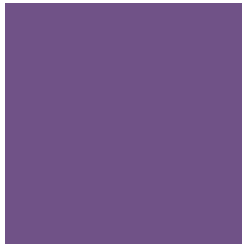
27, 51.227, 6.785



0, 0.841, 347.368

Previews

White Background



This preview shows how the CIELCh color 40, 34.101, 313.086 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, 34.101, 313.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

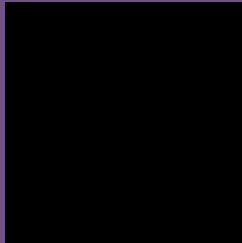
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 34.101, 313.086

Background



This preview shows how black text looks on a background with the CIELCh color 40, 34.101, 313.086.



This preview shows how white text looks on a background with the CIELCh color 40, 34.101, 313.086.

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, 34.101, 313.086

Protanopia

40, 31.250, 284.921

Deuteranopia

40, 24.556, 284.310



Tritanopia
40, 7.998, 348.418

Trichromacy



Original Color
40, 34.101, 313.086

Protanomaly
40, 31.731, 294.809

Deuteranomaly
40, 27.540, 296.384

Tritanomaly
40, 16.935, 321.966

Monochromacy



Original Color
40, 34.101, 313.086

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 12.290, 310.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 34.101, 313.086 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(112, 82, 135)` looks like.

```
.text, #text, p{  
    color:rgb(112, 82, 135)  
}
```

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(112, 82, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 82, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 34.101, 313.086 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(112, 82, 135) }
```

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

```
.border{ border-color:rgb(112, 82, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 82, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 82, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 82, 135); box-shadow:4px 4px 4px 4px rgb(112, 82, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 34.101, 313.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 82, 135) }
```

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

```
.background{ background-color: rgb(112, 82,  
135) }
```

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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