

Converting Colors

CIELCh(40, 33.963, 314.598)

Have a look what the booklet for
CIELCh(40, 33.963, 314.598)
contains.

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Color

CIELCh(40, 33.748, 314.646)

Conversions

Conversions Part 1

Format	Color
Hex	725286
RGB	114, 82, 134
RGB Percent	45%, 32%, 53%
CMY	0.5543, 0.6797, 0.4759
CMYK	0.15, 0.39, 0.00, 0.48
HSL	277°, 24%, 42%
HSV	277°, 39%, 52%
XYZ	14.1655, 11.2510, 23.8508
YIQ	97.4960, 2.3800, 22.9560

Conversions

Conversions Part 2

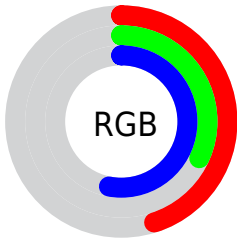
Format	Color
R_{YB}	114, 82, 134
Decimal	7492230
CIE _{Lab}	40.00, 23.72, -24.01
CIE _{LCh}	40, 33.748, 314.646
Yxy	11.2510, 0.2875, 0.2284
Android (android.graphics.Color)	4285682310 (0xFF725286)
YUV	97.4960, 17.9965, 14.4740
Hunter-Lab	33.5425, 16.6840, -18.6792

Details

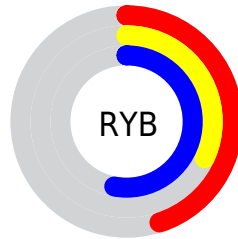
The CIELCh color $40, 33.748, 314.646$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 32.470, 131.239$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 33.528, 314.946$, and $20, 33.820, 314.916$ is the 20% darker color. If you saturate the color by 10%, you get $36, 42.513, 315.063$, and if you desaturate by 10%, it is $44, 24.905, 314.205$.

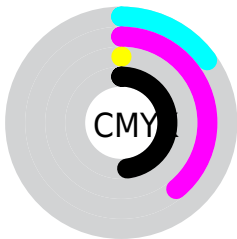
Distribution



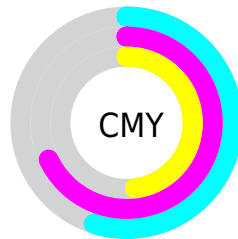
- Red (45%)
- Green (32%)
- Blue (53%)



- Red (45%)
- Yellow (32%)
- Blue (53%)



- Cyan (15%)
- Magenta (39%)
- Yellow (0%)
- Black (48%)





- Cyan (55%)
- Magenta (68%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.748, 314.646 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, 33.748, 314.646 by changing the saturation by 10% instead.


 40, 33.748,
314.646


 40, 33.748,
314.646


 100, 33.748,
314.646


 30, 33.748,
314.646

 60, 33.748,
314.646


 20, 33.748,
314.646

 70, 33.748,
314.646


 10, 33.748,
314.646

 80, 33.748,
314.646

 0, 33.748, 314.646

 90, 33.748,
314.646

 40, 33.748,

 40, 33.748,

314.646

36, 42.513,
315.063

33, 50.981,
315.419

29, 58.826,
315.665

26, 65.619,
315.733

24, 70.883,
315.548

22, 74.754,
315.153

22, 75.199,
315.119

314.646

44, 24.905,
314.205

48, 16.129,
313.763

52, 7.505, 313.332

56, 0.919, 133.074

60, 9.120, 132.594

65, 17.089,
132.252

69, 24.826,
131.947

73, 32.336,
131.674

77, 39.629,

Harmonies

Complementary

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



40, 33.748, 314.646



52, 32.470, 131.239

Rectangle

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



40, 33.748, 314.646



40, 33.748, 4.646



40, 33.748, 134.646



40, 33.748, 184.646

Sweetspot

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



40, 33.747, 314.646



65, 12.584, 313.477



43, 19.773, 271.776



33, 8.321, 313.522



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 33.747, 314.646



48, 50.562, 315.029



42, 34.112, 329.458



26, 4.733, 313.342



21, 73.714, 315.147



0, 1.122, 312.988

Inverse Universe

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



41, 24.743, 354.542



50, 36.973, 355.949



51, 34.130, 144.381



26, 3.451, 351.109



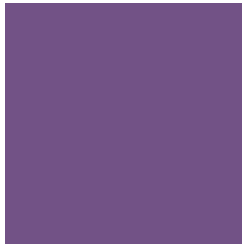
27, 51.439, 11.431



0, 0.815, 350.360

Previews

White Background



This preview shows how the CIELCh color 40, 33.748, 314.646 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, 33.748, 314.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

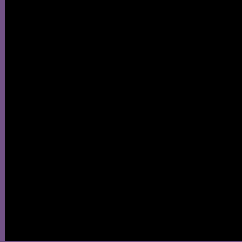
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 33.748, 314.646

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.748, 314.646.



This preview shows how white text looks on a background with the CIELCh color 40, 33.748, 314.646.

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, 33.748, 314.646

Protanopia

40, 30.623, 285.138

Deuteranopia

40, 23.328, 284.347



Tritanopia
40, 8.733, 351.566

Trichromacy



Original Color
40, 33.748, 314.646

Protanomaly
40, 31.133, 295.335

Deuteranomaly
40, 26.372, 297.864

Tritanomaly
40, 16.839, 325.513

Monochromacy



Original Color
40, 33.748, 314.646

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 12.591, 314.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.748, 314.646 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(114, 82, 134)` looks like.

```
.text, #text, p{  
    color:rgb(114, 82, 134)  
}
```

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(114, 82, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 82, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.748, 314.646 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(114, 82, 134) }
```

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

```
.border{ border-color:rgb(114, 82, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 82, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 82, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 82, 134);  
box-shadow:4px 4px 4px 4px rgb(114, 82,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.748, 314.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 82, 134) }
```

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

```
.background{ background-color: rgb(114, 82,  
134) }
```

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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