

Converting Colors

CIELCh(40, 30.913, 319.453)

Have a look what the booklet for
CIELCh(40, 30.913, 319.453)
contains.

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Color

CIELCh(40, 31.074, 319.806)

Conversions

Conversions Part 1

Format	Color
Hex	75517F
RGB	117, 81, 127
RGB Percent	46%, 32%, 50%
CMY	0.5403, 0.6815, 0.5011
CMYK	0.08, 0.36, 0.00, 0.50
HSL	287°, 22%, 41%
HSV	287°, 36%, 50%
XYZ	14.1688, 11.2510, 21.5792
YIQ	97.0080, 6.6900, 21.9380

Conversions

Conversions Part 2

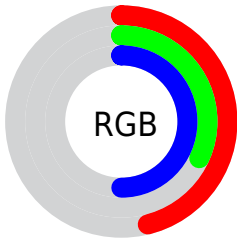
Format	Color
R_{YB}	117, 81, 127
Decimal	7688575
CIE _{Lab}	40.00, 23.74, -20.05
CIE _{LCh}	40, 31.074, 319.806
Yxy	11.2510, 0.3015, 0.2394
Android (android.graphics.Color)	4285878655 (0xFF75517F)
YUV	97.0080, 14.7861, 17.5330
Hunter-Lab	33.5425, 16.7017, -14.6638

Details

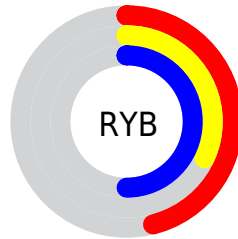
The CIELCh color **40, 31.074, 319.806** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **50, 30.546, 136.445**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 31.106, 319.877**, and **20, 31.311, 319.908** is the 20% darker color. If you saturate the color by 10%, you get **37, 39.537, 320.188**, and if you desaturate by 10%, it is **44, 22.431, 319.390**.

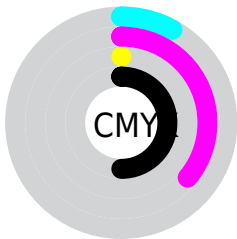
Distribution



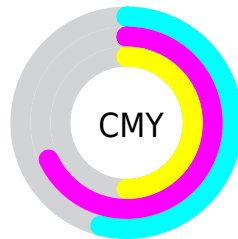
- Red (46%)
- Green (32%)
- Blue (50%)



- Red (46%)
- Yellow (32%)
- Blue (50%)



- Cyan (8%)
- Magenta (36%)
- Yellow (0%)
- Black (50%)





- Cyan (54%)
- Magenta (68%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.074, 319.806 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, 31.074, 319.806 by changing the saturation by 10% instead.


 40, 31.074,
319.806


 40, 31.074,
319.806


 100, 31.074,
319.806


 30, 31.074,
319.806

 60, 31.074,
319.806


 20, 31.074,
319.806


 70, 31.074,
319.806


 10, 31.074,
319.806

 80, 31.074,
319.806

 0, 31.074, 319.806

 90, 31.074,
319.806

 40, 31.074,

 40, 31.074,

319.806

37, 39.537,
320.188

33, 47.592,
320.509

31, 54.929,
320.734

28, 61.184,
320.822

26, 65.989,
320.727

25, 69.256,
320.441

24, 70.447,
320.334

319.806

44, 22.431,
319.390

47, 13.774,
318.960

51, 5.211, 318.519

55, 3.193, 138.183

59, 11.399,
137.759

62, 19.387,
137.387

66, 27.150,
137.044

70, 34.689,
136.728

■ 74, 42.009,
136.439

Harmonies

Complementary

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



40, 31.074, 319.806



50, 30.546, 136.445

Rectangle

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



40, 31.074, 319.806



40, 31.074, 9.806



40, 31.074, 139.806



40, 31.074, 189.806

Sweetspot

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



40, 31.073, 319.806



63, 11.590, 318.746



39, 21.740, 283.562



32, 7.856, 318.795



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 31.073, 319.806



49, 45.775, 320.110



41, 27.257, 335.418



25, 4.783, 318.651



24, 70.559, 320.332



0, 0.000, 0.000

Inverse Universe

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



40, 20.852, 6.015



49, 31.122, 7.316



49, 27.031, 150.118



25, 3.073, 2.686



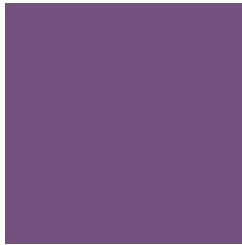
26, 54.157, 26.189



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 31.074, 319.806 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, 31.074, 319.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

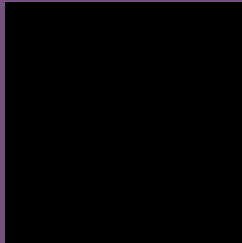
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.074, 319.806

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.074, 319.806.



This preview shows how white text looks on a background with the CIELCh color 40, 31.074, 319.806.

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, 31.074, 319.806

Protanopia

40, 26.928, 285.653

Deuteranopia

40, 19.560, 286.787



Tritanopia
40, 11.507, 359.513

Trichromacy



Original Color
40, 31.074, 319.806

Protanomaly
40, 26.974, 297.841

Deuteranomaly
40, 22.914, 301.769

Tritanomaly
40, 17.422, 334.976

Monochromacy



Original Color
40, 31.074, 319.806

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 11.661, 318.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.074, 319.806 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(117, 81, 127)` looks like.

```
.text, #text, p{  
    color:rgb(117, 81, 127)  
}
```

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(117, 81, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 81, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.074, 319.806 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(117, 81, 127) }
```

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

```
.border{ border-color:rgb(117, 81, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 81, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 81, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 81, 127);  
box-shadow:4px 4px 4px 4px rgb(117, 81,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.074, 319.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 81, 127) }
```

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

```
.background{ background-color: rgb(117, 81,  
127) }
```

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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