

Converting Colors

CIELCh(40, 66.696, 326.784)

Have a look what the booklet for
CIELCh(40, 66.696, 326.784)
contains.

CIELCh(40, 66.853, 326.774)	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, 66.853, 326.774)

Conversions

Conversions Part 1

Format	Color
Hex	98319B
RGB	152, 49, 155
RGB Percent	60%, 19%, 61%
CMY	0.4037, 0.8076, 0.3919
CMYK	0.02, 0.68, 0.00, 0.39
HSL	298°, 52%, 40%
HSV	298°, 68%, 61%
XYZ	19.9814, 11.2510, 32.1529
YIQ	91.8810, 27.3620, 54.8020

Conversions

Conversions Part 2

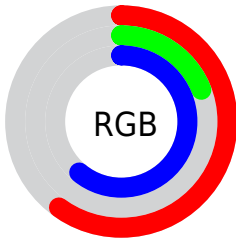
Format	Color
R_{YB}	152, 49, 155
Decimal	9974171
CIE _{Lab}	40.00, 55.92, -36.63
CIE _{LCh}	40, 66.853, 326.774
Yxy	11.2510, 0.3152, 0.1775
Android (android.graphics.Color)	4288164251 (0xFF98319B)
YUV	91.8810, 31.1177, 52.7244
Hunter-Lab	33.5425, 47.6339, -33.3540

Details

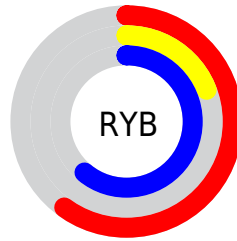
The CIELCh color $40, 66.853, 326.774$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $57, 67.667, 138.029$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 66.874, 326.775$, and $22, 59.555, 326.071$ is the 20% darker color. If you saturate the color by 10%, you get $38, 72.893, 326.993$, and if you desaturate by 10%, it is $42, 59.160, 326.462$.

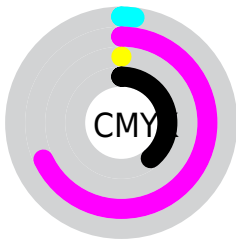
Distribution



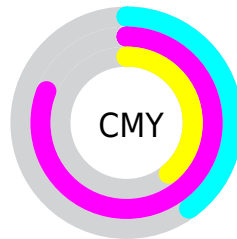
- Red (60%)
- Green (19%)
- Blue (61%)



- Red (60%)
- Yellow (19%)
- Blue (61%)



- Cyan (2%)
- Magenta (68%)
- Yellow (0%)
- Black (39%)





- Cyan (40%)
- Magenta (81%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 66.853, 326.774 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, 66.853, 326.774 by changing the saturation by 10% instead.


 40, 66.853,
326.774


 40, 66.853,
326.774


 100, 66.853,
326.774


 30, 66.853,
326.774

 60, 66.853,
326.774


 20, 66.853,
326.774

 70, 66.853,
326.774

 10, 66.853,
326.774

 80, 66.853,
326.774

 0, 66.853, 326.774

 90, 66.853,
326.774

 40, 66.853,

 40, 66.853,

326.774

326.774

■ 38, 72.893,
326.993

■ 42, 59.160,
326.462

■ 37, 77.027,
327.108

■ 45, 50.197,
326.073

■ 36, 79.444,
327.131

■ 49, 40.361,
325.625

■ 36, 79.805,
327.134

■ 53, 30.006,
325.138

■ 56, 19.415,
324.625

■ 60, 8.797, 324.096

■ 65, 1.707, 143.727

■ 69, 12.003,
143.120

■ 73, 22.038,
142.628

Harmonies

Complementary

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



40, 66.853, 326.774



57, 67.667, 138.029

Rectangle

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



40, 66.853, 326.774



40, 66.853, 16.774



40, 66.853, 146.774



40, 66.853, 196.774

Sweetspot

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



40, 66.851, 326.774



70, 27.510, 324.784



28, 65.042, 300.074



36, 18.772, 324.915



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 66.851, 326.774



49, 91.427, 327.067



38, 49.980, 349.780



30, 5.888, 324.142



32, 74.163, 327.143



1, 6.321, 323.584

Inverse Universe

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



37, 49.815, 27.574



44, 74.236, 32.947



57, 48.293, 154.086



30, 3.439, 17.604



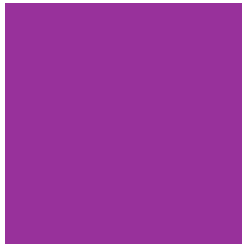
28, 65.168, 37.924



1, 3.600, 17.091

Previews

White Background



This preview shows how the CIELCh color 40, 66.853, 326.774 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, 66.853, 326.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

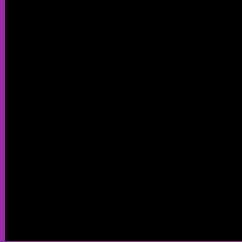
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 66.853, 326.774

Background



This preview shows how black text looks on a background with the CIELCh color 40, 66.853, 326.774.

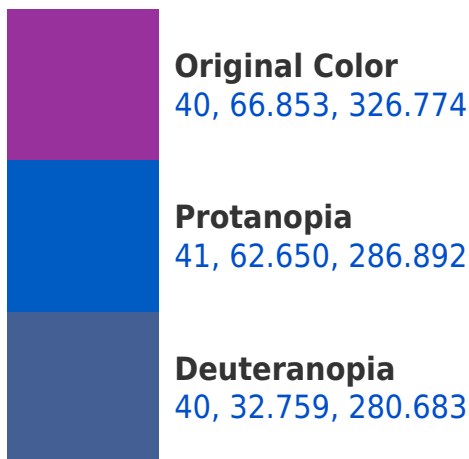


This preview shows how white text looks on a background with the CIELCh color 40, 66.853, 326.774.

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





Tritanopia
40, 31.323, 19.192

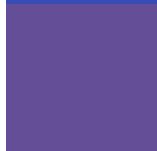
Trichromacy



Original Color
40, 66.853, 326.774



Protanomaly
37, 63.788, 295.276



Deuteranomaly
38, 45.265, 304.970



Tritanomaly
40, 39.922, 348.488

Monochromacy



Original Color
40, 66.853, 326.774



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 28.065, 325.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 66.853, 326.774 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(152, 49, 155)` looks like.

```
.text, #text, p{  
    color:rgb(152, 49, 155)  
}
```

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(152, 49, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 49, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 66.853, 326.774 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(152, 49, 155) }
```

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

```
.border{ border-color:rgb(152, 49, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 49, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 49, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 49, 155);  
box-shadow:4px 4px 4px 4px rgb(152, 49,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 66.853, 326.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 49, 155) }
```

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

```
.background{ background-color: rgb(152, 49,  
155) }
```

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