

Converting Colors

CIELCh(40, 42.587, 347.025)

Have a look what the booklet for
CIELCh(40, 42.587, 347.025)
contains.

CIELCh(40, 42.613, 347.081)	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, 42.613, 347.081)

Conversions

Conversions Part 1

Format	Color
Hex	96406F
RGB	150, 64, 111
RGB Percent	59%, 25%, 44%
CMY	0.4126, 0.7498, 0.5655
CMYK	0.00, 0.57, 0.26, 0.41
HSL	327°, 40%, 42%
HSV	327°, 57%, 59%
XYZ	17.2183, 11.2510, 16.2464
YIQ	95.0720, 36.1690, 32.8490

Conversions

Conversions Part 2

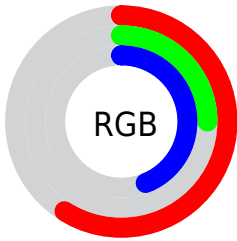
Format	Color
RYB	150, 64, 111
Decimal	9846895
CIELab	40.00, 41.53, -9.53
CIELCh	40, 42.613, 347.081
Yxy	11.2510, 0.3851, 0.2516
Android (android.graphics.Color)	4288036975 (0xFF96406F)
YUV	95.0720, 7.8525, 48.1719
Hunter-Lab	33.5425, 32.9297, -5.2375

Details

The CIELCh color $40, 42.613, 347.081$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $56, 41.001, 155.203$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 42.357, 346.796$, and $20, 42.541, 347.268$ is the 20% darker color. If you saturate the color by 10%, you get $37, 48.450, 348.701$, and if you desaturate by 10%, it is $43, 35.841, 345.723$.

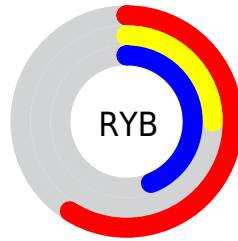
Distribution



Red (59%)

Green (25%)

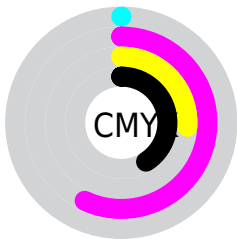
Blue (44%)



Red (59%)

Yellow (25%)

Blue (44%)

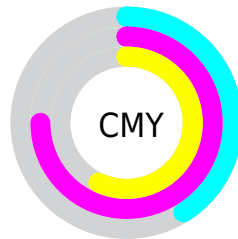


Cyan (0%)

Magenta (57%)

Yellow (26%)

Black (41%)



Cyan (41%)


Magenta (75%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.613, 347.081 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, 42.613, 347.081 by changing the saturation by 10% instead.


 40, 42.613,
347.081


 40, 42.613,
347.081


 100, 42.613,
347.081


 30, 42.613,
347.081

 60, 42.613,
347.081


 20, 42.613,
347.081

 70, 42.613,
347.081

 10, 42.613,
347.081

 80, 42.613,
347.081

 0, 42.613, 347.081

 90, 42.613,
347.081

 40, 42.613,

 40, 42.613,

347.081

347.081

■ 37, 48.450,
348.701

■ 43, 35.841,
345.723

■ 35, 52.985,
350.680

■ 47, 28.497,
344.554

■ 33, 55.933,
353.145

■ 51, 20.870,
343.525

■ 32, 57.389,
356.167

■ 55, 13.174,
342.599

■ 32, 57.735,
356.973

■ 59, 5.550, 341.735

■ 63, 1.914, 161.196

■ 67, 9.170, 160.366

■ 72, 16.195,
159.702

■ 76, 22.984,

Harmonies

Complementary

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



40, 42.613, 347.081



56, 41.001, 155.203

Rectangle

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



40, 42.613, 347.081



40, 42.613, 37.081



40, 42.613, 167.081



40, 42.613, 217.081

Sweetspot

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



40, 42.611, 347.082



70, 15.876, 342.593



35, 54.121, 310.424



35, 10.603, 342.751



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 42.611, 347.082



47, 60.422, 349.245



39, 39.671, 22.928



29, 4.199, 341.889



29, 54.361, 356.671



1, 3.637, 341.217

Inverse Universe

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



40, 42.611, 347.082



47, 60.422, 349.245



57, 27.292, 191.699



29, 4.199, 341.889



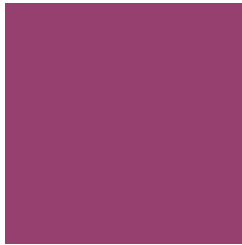
29, 54.361, 356.671



1, 3.637, 341.217

Previews

White Background



This preview shows how the CIELCh color 40, 42.613, 347.081 looks on a white background.

Color Contrast Check

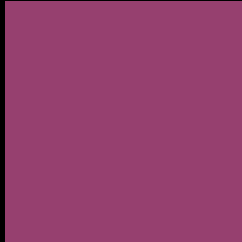
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.613, 347.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

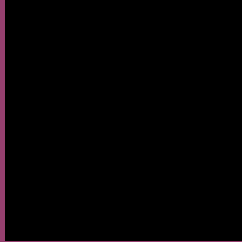
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 42.613, 347.081

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.613, 347.081.



This preview shows how white text looks on a background with the CIELCh color 40, 42.613, 347.081.

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, 42.613, 347.081

Protanopia

41, 23.247, 285.100

Deuteranopia

40, 9.036, 309.624



Tritanopia
40, 34.641, 20.431

Trichromacy



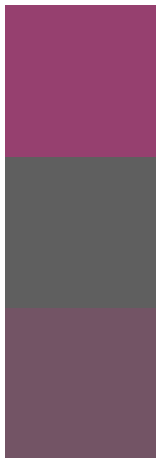
Original Color
40, 42.613, 347.081

Protanomaly
39, 26.862, 314.201

Deuteranomaly
39, 21.235, 334.553

Tritanomaly
40, 36.091, 6.063

Monochromacy



Original Color
40, 42.613, 347.081

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 16.545, 343.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.613, 347.081 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(150, 64, 111)` looks like.

```
.text, #text, p{  
  color:rgb(150, 64, 111)  
}
```

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(150, 64, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 64, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.613, 347.081 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(150, 64, 111) }
```

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

```
.border{ border-color:rgb(150, 64, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 64, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 64, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 64, 111);  
box-shadow:4px 4px 4px 4px rgb(150, 64,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.613, 347.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 64, 111) }
```

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

```
.background{ background-color: rgb(150, 64,  
111) }
```

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