

Converting Colors

CIELCh(36, 41.407, 339.028)

Have a look what the booklet for
CIELCh(36, 41.407, 339.028)
contains.

CIELCh(36, 41.061, 339.098)	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(36, 41.061, 339.098)

Conversions

Conversions Part 1

Format	Color
Hex	843A6D
RGB	132, 58, 109
RGB Percent	52%, 23%, 43%
CMY	0.4829, 0.7731, 0.5731
CMYK	0.00, 0.56, 0.17, 0.48
HSL	319°, 39%, 37%
HSV	319°, 56%, 52%
XYZ	13.7531, 9.0082, 15.4447
YIQ	85.9400, 27.7330, 31.5490

Conversions

Conversions Part 2

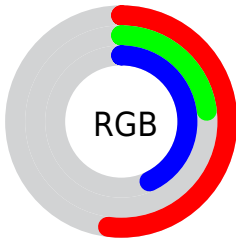
Format	Color
R_{YB}	132, 58, 109
Decimal	8665709
CIE _{Lab}	36.00, 38.36, -14.65
CIE _{LCh}	36, 41.061, 339.098
Yxy	9.0082, 0.3600, 0.2358
Android (android.graphics.Color)	4286855789 (0xFF843A6D)
YUV	85.9400, 11.3686, 40.3946
Hunter-Lab	30.0136, 29.2700, -9.5005

Details

The CIELCh color **36, 41.061, 339.098** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **49, 40.800, 149.409**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 40.949, 338.940**, and **16, 41.038, 339.431** is the 20% darker color. If you saturate the color by 10%, you get **33, 46.837, 340.137**, and if you desaturate by 10%, it is **39, 34.406, 338.169**.

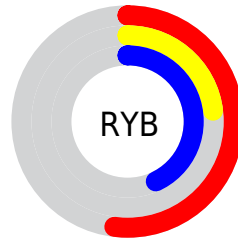
Distribution



Red (52%)

Green (23%)

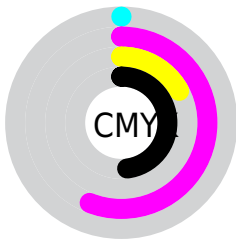
Blue (43%)



Red (52%)

Yellow (23%)

Blue (43%)

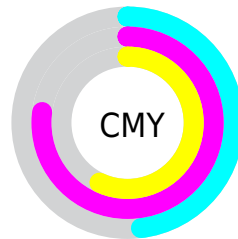


Cyan (0%)

Magenta (56%)

Yellow (17%)

Black (48%)



Cyan (48%)


Magenta (77%)


Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 41.061, 339.098 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 36, 41.061, 339.098 by changing the saturation by 10% instead.


 36, 41.061,
339.098


 36, 41.061,
339.098

 100, 41.061,
339.098


 26, 41.061,
339.098

 56, 41.061,
339.098


 16, 41.061,
339.098


 66, 41.061,
339.098

 6, 41.061, 339.098

 76, 41.061,
339.098

 0, 41.061, 339.098

 86, 41.061,
339.098

 96, 41.061,
339.098

36, 41.061,
339.098

36, 41.061,
339.098

33, 46.837,
340.137

39, 34.406,
338.169

31, 51.396,
341.327

42, 27.200,
337.320

30, 54.448,
342.728

46, 19.704,
336.532

29, 55.986,
344.386

49, 12.113,
335.792

29, 56.496,
345.045

53, 4.562, 335.070

57, 2.864, 154.566

60, 10.113,
153.893

64, 17.159,
153.307

■ 68, 23.993,
152.761

Harmonies

Complementary

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



36, 41.061, 339.098



49, 40.800, 149.409

Rectangle

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



36, 41.061, 339.098



36, 41.061, 29.098



36, 41.061, 159.098



36, 41.061, 209.098

Sweetspot

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



36, 41.059, 339.098



62, 15.807, 335.884



30, 47.424, 305.980



32, 10.664, 336.005



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 41.059, 339.098



43, 58.077, 340.406



35, 33.968, 11.165



26, 4.239, 335.292



28, 55.949, 345.015



0, 1.008, 334.720

Inverse Universe

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



36, 41.059, 339.098



43, 58.077, 340.406



50, 26.841, 177.779



26, 4.239, 335.292



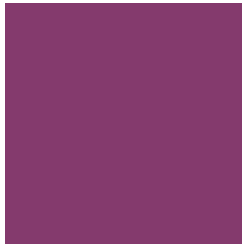
28, 55.949, 345.015



0, 1.008, 334.720

Previews

White Background



This preview shows how the CIELCh color 36, 41.061, 339.098 looks on a white background.

Color Contrast Check

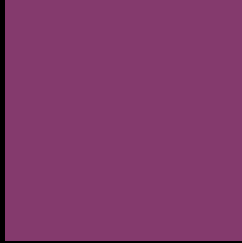
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 41.061, 339.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

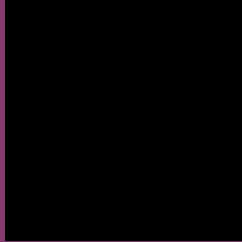
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 41.061, 339.098

Background



This preview shows how black text looks on a background with the CIELCh color 36, 41.061, 339.098.



This preview shows how white text looks on a background with the CIELCh color 36, 41.061, 339.098.

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
36, 41.061, 339.098

Protanopia
36, 28.043, 285.260

Deuteranopia
36, 13.033, 292.279



Tritanopia
36, 28.220, 19.493

Trichromacy



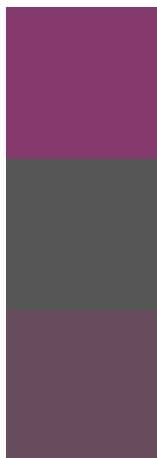
Original Color
36, 41.061, 339.098

Protanomaly
35, 30.724, 306.899

Deuteranomaly
35, 22.630, 321.401

Tritanomaly
36, 30.464, 0.686

Monochromacy



Original Color
36, 41.061, 339.098

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.898, 337.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 41.061, 339.098 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(132, 58, 109)` looks like.

```
.text, #text, p{  
    color:rgb(132, 58, 109)  
}
```

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(132, 58, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 58, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 41.061, 339.098 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(132, 58, 109) }
```

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

```
.border{ border-color:rgb(132, 58, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 58, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 58, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 58, 109);  
box-shadow:4px 4px 4px 4px rgb(132, 58,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 41.061, 339.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 58, 109) }
```

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

```
.background{ background-color: rgb(132, 58,  
109) }
```

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