

Converting Colors

CIELCh(36, 40.068, 335.731)

Have a look what the booklet for
CIELCh(36, 40.068, 335.731)
contains.

CIELCh(36, 40.159, 335.396)	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, 40.159, 335.396)

Conversions

Conversions Part 1

Format	Color
Hex	803C70
RGB	128, 60, 112
RGB Percent	50%, 24%, 44%
CMY	0.4977, 0.7644, 0.5605
CMYK	0.00, 0.53, 0.12, 0.50
HSL	314°, 36%, 37%
HSV	314°, 53%, 50%
XYZ	13.4650, 9.0082, 16.3829
YIQ	86.2600, 23.8360, 30.5880

Conversions

Conversions Part 2

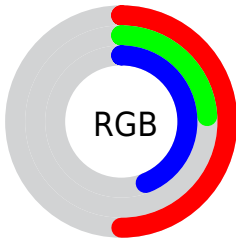
Format	Color
R_{YB}	128, 60, 112
Decimal	8404080
CIE _{Lab}	36.00, 36.51, -16.72
CIE _{LCh}	36, 40.159, 335.396
Yxy	9.0082, 0.3465, 0.2318
Android (android.graphics.Color)	4286594160 (0xFF803C70)
YUV	86.2600, 12.6898, 36.6060
Hunter-Lab	30.0136, 27.5565, -11.3539

Details

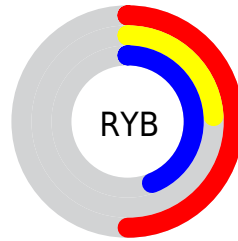
The CIELCh color **36, 40.159, 335.396** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 40.168, 147.100**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 40.255, 335.072**, and **16, 40.003, 335.148** is the 20% darker color. If you saturate the color by 10%, you get **33, 46.372, 336.196**, and if you desaturate by 10%, it is **39, 33.152, 334.645**.

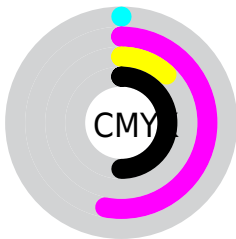
Distribution



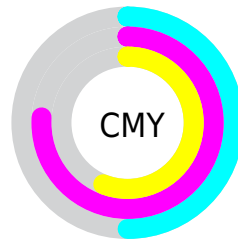
- Red (50%)
- Green (24%)
- Blue (44%)



- Red (50%)
- Yellow (24%)
- Blue (44%)



- Cyan (0%)
- Magenta (53%)
- Yellow (12%)
- Black (50%)





- Cyan (50%)
- Magenta (76%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 40.159, 335.396 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, 40.159, 335.396 by changing the saturation by 10% instead.


 36, 40.159,
335.396


 36, 40.159,
335.396

 100, 40.159,
335.396


 26, 40.159,
335.396

 56, 40.159,
335.396


 16, 40.159,
335.396


 66, 40.159,
335.396

 6, 40.159, 335.396

 76, 40.159,
335.396

 0, 40.159, 335.396

 86, 40.159,
335.396

 96, 40.159,
335.396

■ 36, 40.159,
335.396

■ 36, 40.159,
335.396

■ 33, 46.372,
336.196

■ 39, 33.152,
334.645

■ 31, 51.463,
337.063

■ 42, 25.660,
333.930

■ 30, 55.124,
338.027

■ 45, 17.923,
333.246

■ 29, 57.180,
339.129

■ 49, 10.121,
332.584

■ 28, 58.180,
339.925

■ 52, 2.375, 331.887

■ 56, 5.235, 151.434

■ 60, 12.663,
150.842

■ 64, 19.886,
150.298

■ 67, 26.895,
149.786

Harmonies

Complementary

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



36, 40.159, 335.396



48, 40.168, 147.100

Rectangle

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



36, 40.159, 335.396



36, 40.159, 25.396



36, 40.159, 155.396



36, 40.159, 205.396

Sweetspot

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



36, 40.157, 335.396



61, 15.298, 332.799



30, 43.607, 303.798



31, 10.417, 332.911



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 40.157, 335.396



43, 57.565, 336.395



35, 31.516, 5.385



25, 4.330, 332.322



28, 57.991, 339.919



0, 0.000, 0.000

Inverse Universe

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



36, 40.157, 335.396



43, 57.565, 336.395



49, 26.475, 172.856



25, 4.330, 332.322



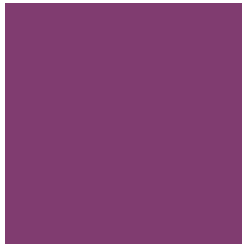
28, 57.991, 339.919



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 40.159, 335.396 looks on a white background.

Color Contrast Check

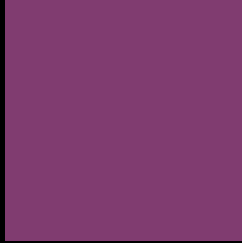
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.159, 335.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

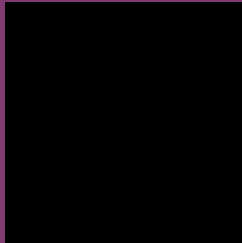
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 40.159, 335.396

Background



This preview shows how black text looks on a background with the CIELCh color 36, 40.159, 335.396.



This preview shows how white text looks on a background with the CIELCh color 36, 40.159, 335.396.

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, 40.159, 335.396

Protanopia

36, 29.280, 285.343

Deuteranopia

36, 14.894, 289.660



Tritanopia
36, 25.289, 16.952

Trichromacy



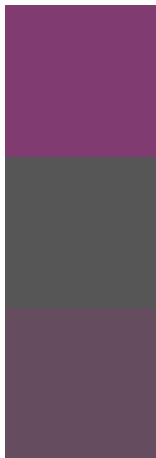
Original Color
36, 40.159, 335.396

Protanomaly
35, 31.097, 304.698

Deuteranomaly
36, 23.194, 317.180

Tritanomaly
36, 28.296, 356.572

Monochromacy



Original Color
36, 40.159, 335.396

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 15.018, 333.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 40.159, 335.396 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(128, 60, 112)` looks like.

```
.text, #text, p{  
    color:rgb(128, 60, 112)  
}
```

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(128, 60, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 60, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 40.159, 335.396 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(128, 60, 112) }
```

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

```
.border{ border-color:rgb(128, 60, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 60, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 60, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 60, 112);  
box-shadow:4px 4px 4px 4px rgb(128, 60,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 40.159, 335.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 60, 112) }
```

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

```
.background{ background-color: rgb(128, 60,  
112) }
```

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