

Converting Colors

CIELCh(36, 37.240, 307.527)

Have a look what the booklet for
CIELCh(36, 37.240, 307.527)
contains.

CIELCh(36, 36.837, 307.380)	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, 36.837, 307.380)

Conversions

Conversions Part 1

Format	Color
Hex	604A84
RGB	96, 74, 132
RGB Percent	38%, 29%, 52%
CMY	0.6243, 0.7105, 0.4832
CMYK	0.27, 0.44, 0.00, 0.48
HSL	263°, 28%, 40%
HSV	263°, 44%, 52%
XYZ	11.3891, 9.0082, 22.8934
YIQ	87.1900, -5.5060, 22.7020

Conversions

Conversions Part 2

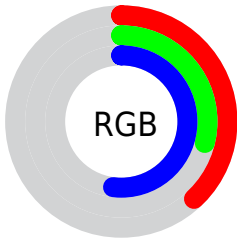
Format	Color
RYB	96, 74, 132
Decimal	6310532
CIELab	36.00, 22.36, -29.27
CIElCh	36, 36.837, 307.380
Yxy	9.0082, 0.2631, 0.2081
Android (android.graphics.Color)	4284500612 (0xFF604A84)
YUV	87.1900, 22.0913, 7.7264
Hunter-Lab	30.0136, 15.2104, -24.2149




Details

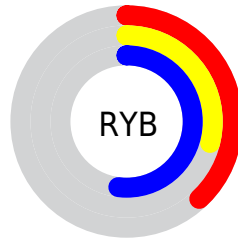
The CIELCh color **36, 36.837, 307.380** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **52, 34.016, 122.556**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 36.668, 307.517**, and **16, 37.080, 307.490** is the 20% darker color. If you saturate the color by 10%, you get **32, 45.641, 308.089**, and if you desaturate by 10%, it is **40, 28.101, 306.691**.

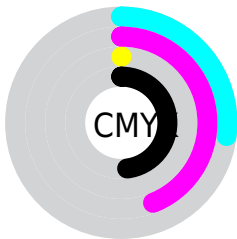
Distribution







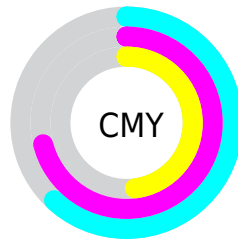
-  Red (38%)
-  Green (29%)
-  Blue (52%)






-  Red (38%)
-  Yellow (29%)
-  Blue (52%)



-  Cyan (27%)
-  Magenta (44%)
-  Yellow (0%)
-  Black (48%)





-  Cyan (62%)
-  Magenta (71%)
-  Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 36.837, 307.380 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, 36.837, 307.380 by changing the saturation by 10% instead.


 36, 36.837,
307.380


 36, 36.837,
307.380

 100, 36.837,
307.380


 26, 36.837,
307.380

 56, 36.837,
307.380


 16, 36.837,
307.380


 66, 36.837,
307.380

 6, 36.837, 307.380

 76, 36.837,
307.380

 0, 36.837, 307.380

 86, 36.837,
307.380

 96, 36.837,
307.380

■ 36, 36.837,
307.380

■ 36, 36.837,
307.380

■ 32, 45.641,
308.089

■ 40, 28.101,
306.691

■ 28, 54.308,
308.772

■ 45, 19.546,
306.046

■ 24, 62.483,
309.353

■ 49, 11.224,
305.457

■ 21, 69.623,
309.722

■ 53, 3.157, 304.918

■ 19, 75.084,
309.753

■ 58, 4.653, 124.480

■ 17, 78.133,
309.801

■ 62, 12.210,
124.062

■ 66, 19.524,
123.701

■ 71, 26.606,
123.387

■ 75, 33.470,
123.115

Harmonies

Complementary

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



36, 36.837, 307.380



52, 34.016, 122.556

Rectangle

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



36, 36.837, 307.380



36, 36.837, 357.380



36, 36.837, 127.380



36, 36.837, 177.380

Sweetspot

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



36, 36.836, 307.380



63, 12.877, 305.418



45, 17.307, 246.057



32, 9.109, 305.527



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, 36.836, 307.380



42, 55.394, 308.103



39, 39.440, 322.697



26, 4.512, 305.191



17, 77.373, 309.815



0, 1.066, 304.740

Inverse Universe

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



39, 31.477, 341.285



47, 46.127, 342.378



50, 39.053, 138.121



26, 4.038, 338.283



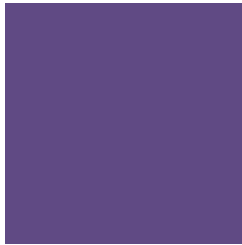
28, 53.841, 350.220



0, 0.959, 337.672

Previews

White Background



This preview shows how the CIELCh color 36, 36.837, 307.380 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, 36.837, 307.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

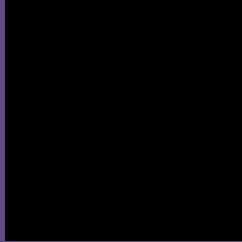
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 36.837, 307.380

Background



This preview shows how black text looks on a background with the CIELCh color 36, 36.837, 307.380.



This preview shows how white text looks on a background with the CIELCh color 36, 36.837, 307.380.

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, 36.837, 307.380

Protanopia

36, 35.520, 285.739

Deuteranopia

36, 28.366, 280.552



Tritanopia
36, 4.856, 316.462

Trichromacy



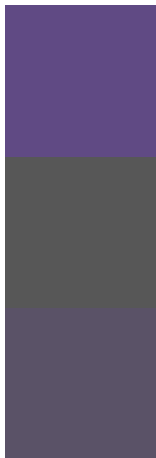
Original Color
36, 36.837, 307.380

Protanomaly
36, 35.346, 292.636

Deuteranomaly
36, 31.029, 291.446

Tritanomaly
36, 16.220, 308.089

Monochromacy



Original Color
36, 36.837, 307.380

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 13.482, 305.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 36.837, 307.380 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(96, 74, 132)` looks like.

```
.text, #text, p{  
    color:rgb(96, 74, 132)  
}
```

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(96, 74, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 74, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 36.837, 307.380 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(96, 74, 132) }
```

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

```
.border{ border-color:rgb(96, 74, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 74, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 74, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 74, 132);  
box-shadow:4px 4px 4px 4px rgb(96, 74,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 36.837, 307.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 74, 132) }
```

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

```
.background{ background-color: rgb(96, 74,  
132) }
```

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