

Converting Colors

CIELCh(36, 74.124, 307.088)

Have a look what the booklet for
CIELCh(36, 74.124, 307.088)
contains.

CIELCh(36, 74.254, 307.204)	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, 74.254, 307.204)

Conversions

Conversions Part 1

Format	Color
Hex	603BB5
RGB	96, 59, 181
RGB Percent	38%, 23%, 71%
CMY	0.6223, 0.7676, 0.2890
CMYK	0.47, 0.67, 0.00, 0.29
HSL	258°, 51%, 47%
HSV	258°, 67%, 71%
XYZ	14.8067, 9.0082, 44.8392
YIQ	83.9710, -17.1100, 45.7860

Conversions

Conversions Part 2

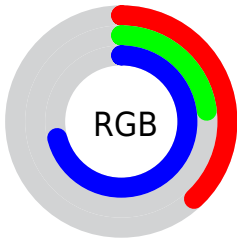
Format	Color
R_{YB}	96, 59, 181
Decimal	6306741
CIE _{Lab}	36.00, 44.90, -59.14
CIE _{LCh}	36, 74.254, 307.204
Yxy	9.0082, 0.2157, 0.1312
Android (android.graphics.Color)	4284496821 (0xFF603BB5)
YUV	83.9710, 47.8353, 10.5494
Hunter-Lab	30.0136, 35.5364, -67.5675

Details

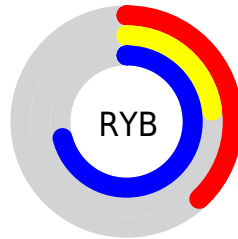
The CIELCh color **36, 74.254, 307.204** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **69, 63.395, 118.608**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 74.215, 307.183**, and **16, 74.202, 307.217** is the 20% darker color. If you saturate the color by 10%, you get **31, 84.645, 307.942**, and if you desaturate by 10%, it is **41, 62.977, 306.325**.

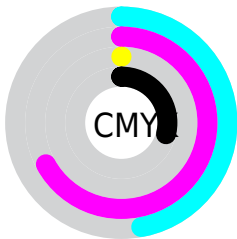
Distribution



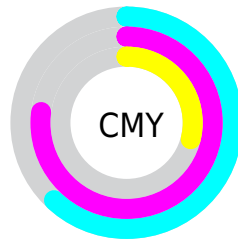
- Red (38%)
- Green (23%)
- Blue (71%)



- Red (38%)
- Yellow (23%)
- Blue (71%)



- Cyan (47%)
- Magenta (67%)
- Yellow (0%)
- Black (29%)




- Cyan (62%)
- Magenta (77%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 74.254, 307.204 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, 74.254, 307.204 by changing the saturation by 10% instead.


 36, 74.254,
307.204

 36, 74.254,
307.204

 100, 74.254,
307.204


 26, 74.254,
307.204

 56, 74.254,
307.204

 16, 74.254,
307.204


 66, 74.254,
307.204

 6, 74.254, 307.204

 76, 74.254,
307.204

 0, 74.254, 307.204

 86, 74.254,
307.204

 96, 74.254,
307.204

36, 74.254,
307.204

36, 74.254,
307.204

31, 84.645,
307.942

41, 62.977,
306.325

28, 93.204,
308.378

47, 51.438,
305.414

25, 99.041,
308.379

52, 39.985,
304.537

24, 100.441,
308.386

58, 28.793,
303.728

64, 17.939,
302.999

70, 7.448, 302.351

75, 2.679, 121.810

81, 12.455,
121.304

■ 87, 21.895,
120.876

Harmonies

Complementary

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



36, 74.254, 307.204



69, 63.395, 118.608

Rectangle

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



36, 74.254, 307.204



36, 74.254, 357.204



36, 74.254, 127.204



36, 74.254, 177.204

Sweetspot

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



36, 74.254, 307.205



79, 25.689, 303.211



57, 30.071, 242.468



40, 17.596, 303.411



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



36, 74.254, 307.205



39, 108.250, 308.211



44, 74.016, 321.322



36, 5.851, 302.477



20, 89.571, 308.495



1, 15.596, 299.012

Inverse Universe

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



46, 61.345, 340.103



55, 83.213, 342.065



66, 72.671, 134.852



36, 5.585, 335.030



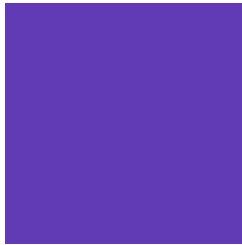
34, 63.827, 344.857



3, 14.021, 339.521

Previews

White Background



This preview shows how the CIELCh color 36, 74.254, 307.204 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, 74.254, 307.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

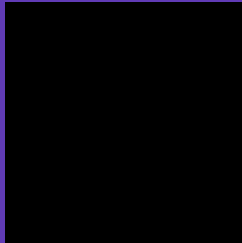
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 74.254, 307.204

Background



This preview shows how black text looks on a background with the CIELCh color 36, 74.254, 307.204.



This preview shows how white text looks on a background with the CIELCh color 36, 74.254, 307.204.

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

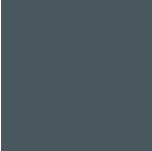
36, 74.254, 307.204

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 40.740, 274.137



Tritanopia
36, 6.932, 237.838

Trichromacy



Original Color
36, 74.254, 307.204

Protanomaly
35, 63.162, 292.939

Deuteranomaly
34, 52.451, 288.609

Tritanomaly
35, 30.644, 297.555

Monochromacy



Original Color
36, 74.254, 307.204

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 27.992, 304.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 74.254, 307.204 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, 59, 181)` looks like.

```
.text, #text, p{  
    color:rgb(96, 59, 181)  
}
```

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, 59, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 59, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 74.254, 307.204 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, 59, 181) }
```

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

```
.border{ border-color:rgb(96, 59, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 59, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 59, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 59, 181);  
box-shadow:4px 4px 4px 4px rgb(96, 59,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 74.254, 307.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 59, 181) }
```

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

```
.background{ background-color: rgb(96, 59,  
181) }
```

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