

Converting Colors

CIELCh(37, 105.058, 309.679)

Have a look what the booklet for
CIELCh(37, 105.058, 309.679)
contains.

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Color

CIELCh(37, 104.867, 309.644)

Conversions

Conversions Part 1

Format	Color
Hex	6924DD
RGB	105, 36, 221
RGB Percent	41%, 14%, 87%
CMY	0.5870, 0.8576, 0.1322
CMYK	0.52, 0.84, 0.00, 0.13
HSL	262°, 73%, 51%
HSV	262°, 84%, 87%
XYZ	19.5912, 9.5379, 69.4121
YIQ	77.7210, -18.2610, 72.1630

Conversions

Conversions Part 2

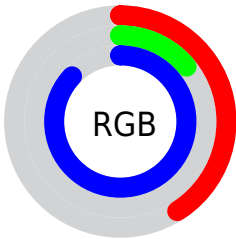
Format	Color
R_{YB}	105, 36, 221
Decimal	6890717
CIE _{Lab}	37.00, 66.91, -80.75
CIE _{LCh}	37, 104.867, 309.644
Yxy	9.5379, 0.1988, 0.0968
Android (android.graphics.Color)	4285080797 (0xFF6924DD)
YUV	77.7210, 70.6365, 23.9237
Hunter-Lab	30.8835, 59.1868, -111.6384

Details

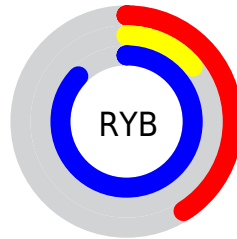
The CIELCh color **37, 104.867, 309.644** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **81, 87.652, 121.873**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 92.689, 311.152**, and **20, 94.841, 307.177** is the 20% darker color. If you saturate the color by 10%, you get **34, 112.135, 309.536**, and if you desaturate by 10%, it is **42, 94.557, 309.330**.

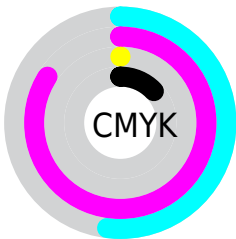
Distribution



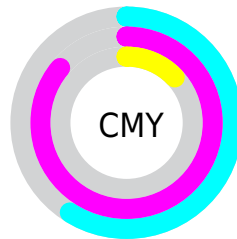
- Red (41%)
- Green (14%)
- Blue (87%)



- Red (41%)
- Yellow (14%)
- Blue (87%)



- Cyan (52%)
- Magenta (84%)
- Yellow (0%)
- Black (13%)





- Cyan (59%)
- Magenta (86%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 104.867, 309.644 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 37, 104.867, 309.644 by changing the saturation by 10% instead.


 37, 104.867,
309.644

 37, 104.867,
309.644

 100, 104.867,
309.644

 27, 104.867,
309.644


 57, 104.867,
309.644


 17, 104.867,
309.644


 67, 104.867,
309.644

 7, 104.867,
309.644

 77, 104.867,
309.644

 0, 104.867,
309.644

 87, 104.867,
309.644

 97, 104.867,
309.644

37, 104.867,
309.644

37, 104.867,
309.644

34, 112.135,
309.536

42, 94.557,
309.330

32, 115.272,
309.283

47, 82.341,
308.749

53, 69.191,
308.036

59, 55.754,
307.286

66, 42.401,
306.554

72, 29.328,
305.871

79, 16.626,
305.249

86, 4.330, 304.682

Harmonies

Complementary

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



37, 104.867, 309.644



81, 87.652, 121.873

Rectangle

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



37, 104.867, 309.644



37, 104.867, 359.644



37, 104.867, 129.644



37, 104.867, 179.644

Sweetspot

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



37, 104.868, 309.645



81, 34.953, 305.977



60, 43.847, 259.990



41, 23.978, 306.216



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 104.868, 309.645



37, 128.431, 309.202



50, 99.419, 323.478



43, 6.846, 305.008



24, 95.898, 309.452



3, 30.473, 304.699

Inverse Universe

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



51, 77.239, 346.939



56, 88.189, 351.237



78, 100.064, 135.360



43, 6.155, 338.057



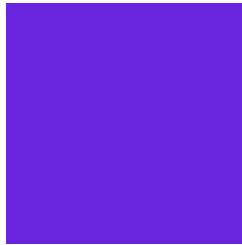
38, 66.346, 350.477



6, 26.755, 345.678

Previews

White Background



This preview shows how the CIELCh color 37, 104.867, 309.644 looks on a white background.

Color Contrast Check

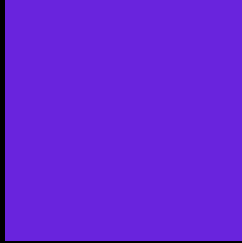
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 104.867, 309.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

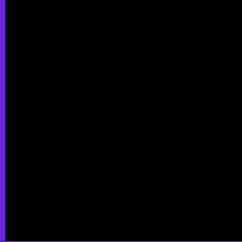
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 104.867, 309.644

Background



This preview shows how black text looks on a background with the CIELCh color 37, 104.867, 309.644.



This preview shows how white text looks on a background with the CIELCh color 37, 104.867, 309.644.

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


37, 104.867, 309.644

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 39.669, 272.028



Tritanopia
37, 9.957, 224.283

Trichromacy



Original Color
37, 104.867, 309.644

Protanomaly
35, 77.397, 297.643

Deuteranomaly
34, 66.352, 294.927

Tritanomaly
34, 45.048, 300.907

Monochromacy



Original Color
37, 104.867, 309.644

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 42.981, 307.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 104.867, 309.644 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(105, 36, 221)` looks like.

```
.text, #text, p{  
    color:rgb(105, 36, 221)  
}
```

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(105, 36, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 36, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 104.867, 309.644 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(105, 36, 221) }
```

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

```
.border{ border-color:rgb(105, 36, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 36, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 36, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 36, 221);  
box-shadow:4px 4px 4px 4px rgb(105, 36,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 104.867, 309.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 36, 221) }
```

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

```
.background{ background-color: rgb(105, 36,  
221) }
```

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](#).

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