

Converting Colors

CIELCh(37, 66.231, 300.317)

Have a look what the booklet for
CIELCh(37, 66.231, 300.317)
contains.

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Color

CIELCh(37, 66.566, 300.457)

Conversions

Conversions Part 1

Format	Color
Hex	4D48B5
RGB	77, 72, 181
RGB Percent	30%, 28%, 71%
CMY	0.6983, 0.7178, 0.2904
CMYK	0.57, 0.60, 0.00, 0.29
HSL	243°, 43%, 50%
HSV	243°, 60%, 71%
XYZ	13.7049, 9.5379, 44.8051
YIQ	85.9210, -32.0090, 34.9590

Conversions

Conversions Part 2

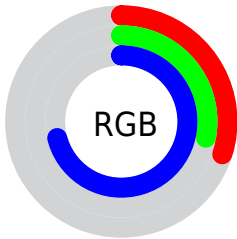
Format	Color
R_{YB}	77, 72, 181
Decimal	5064885
CIE Lab	37.00, 33.74, -57.38
CIE LCh	37, 66.566, 300.457
Yxy	9.5379, 0.2014, 0.1402
Android (android.graphics.Color)	4283254965 (0xFF4D48B5)
YUV	85.9210, 46.8739, -7.8237
Hunter-Lab	30.8835, 25.1653, -64.3981

Details

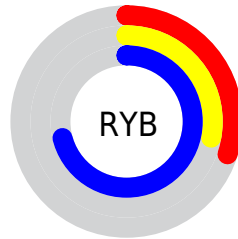
The CIELCh color **37, 66.566, 300.457** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **71, 55.850, 106.894**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 66.658, 300.475**, and **17, 66.239, 300.819** is the 20% darker color. If you saturate the color by 10%, you get **32, 78.481, 302.410**, and if you desaturate by 10%, it is **43, 54.546, 298.572**.

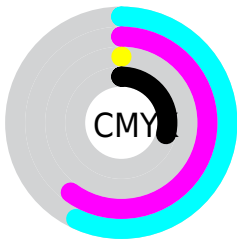
Distribution



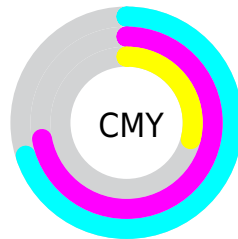
- Red (30%)
- Green (28%)
- Blue (71%)



- Red (30%)
- Yellow (28%)
- Blue (71%)



- Cyan (57%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)





- Cyan (70%)
- Magenta (72%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 66.566, 300.457 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, 66.566, 300.457 by changing the saturation by 10% instead.


 37, 66.566,
300.457


 37, 66.566,
300.457

 100, 66.566,
300.457


 27, 66.566,
300.457

 57, 66.566,
300.457


 17, 66.566,
300.457


 67, 66.566,
300.457

 7, 66.566, 300.457

 77, 66.566,
300.457

 0, 66.566, 300.457

 87, 66.566,
300.457

 97, 66.566,
300.457

■ 37, 66.566,
300.457

■ 37, 66.566,
300.457

■ 32, 78.481,
302.410

■ 43, 54.546,
298.572

■ 27, 89.420,
304.219

■ 49, 42.813,
296.858

■ 24, 97.933,
305.584

■ 55, 31.508,
295.354

■ 22, 103.196,
306.426

■ 61, 20.656,
294.058

■ 67, 10.242,
292.951

■ 74, 0.239, 292.183

■ 80, 9.383, 111.190

■ 86, 18.652,
110.504

■ 92, 27.592,
109.915

Harmonies

Complementary

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



37, 66.566, 300.457



71, 55.850, 106.894

Rectangle

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



37, 66.566, 300.457



37, 66.566, 350.457



37, 66.566, 120.457



37, 66.566, 170.457

Sweetspot

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



37, 66.566, 300.458



79, 22.604, 293.830



67, 30.780, 200.764



40, 15.786, 294.171



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



37, 66.566, 300.458



40, 99.465, 302.974



42, 66.380, 313.049



34, 5.595, 292.858



17, 91.136, 306.457



1, 13.325, 291.570

Inverse Universe

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



49, 66.887, 328.859



59, 93.240, 329.376



68, 61.190, 127.599



35, 6.544, 326.181



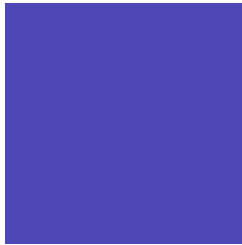
36, 76.183, 330.112



3, 15.506, 326.363

Previews

White Background



This preview shows how the CIELCh color 37, 66.566, 300.457 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 CIE LCh color 37, 66.566, 300.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

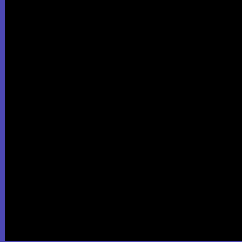
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 66.566, 300.457

Background



This preview shows how black text looks on a background with the CIELCh color 37, 66.566, 300.457.



This preview shows how white text looks on a background with the CIELCh color 37, 66.566, 300.457.

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, 66.566, 300.457

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 41.784, 274.528



Tritanopia
37, 17.025, 214.521

Trichromacy



Original Color
37, 66.566, 300.457

Protanomaly
36, 61.036, 290.276

Deuteranomaly
36, 50.472, 285.115

Tritanomaly
36, 28.732, 276.822

Monochromacy



Original Color
37, 66.566, 300.457

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.883, 295.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 66.566, 300.457 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(77, 72, 181)` looks like.

```
.text, #text, p{  
    color:rgb(77, 72, 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(77, 72, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 72, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 66.566, 300.457 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(77, 72, 181) }
```

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

```
.border{ border-color:rgb(77, 72, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 72, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 72, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 72, 181);  
box-shadow:4px 4px 4px 4px rgb(77, 72,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 66.566, 300.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 72, 181) }
```

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

```
.background{ background-color: rgb(77, 72,  
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](#).

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