

Converting Colors

CIELCh(36, 70.828, 300.050)

Have a look what the booklet for
CIELCh(36, 70.828, 300.050)
contains.

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Color

CIELCh(36, 70.936, 300.092)

Conversions

Conversions Part 1

Format	Color
Hex	4545B9
RGB	69, 69, 185
RGB Percent	27%, 27%, 73%
CMY	0.7298, 0.7297, 0.2748
CMYK	0.63, 0.63, 0.00, 0.27
HSL	240°, 46%, 50%
HSV	240°, 63%, 73%
XYZ	13.3189, 9.0082, 46.8883
YIQ	82.2240, -37.2360, 36.0760

Conversions

Conversions Part 2

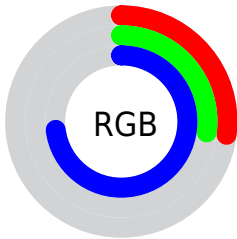
Format	Color
R _Y B	69, 69, 185
Decimal	4539833
CIE Lab	36.00, 35.57, -61.38
CIE LCh	36, 70.936, 300.092
Yxy	9.0082, 0.1924, 0.1301
Android (android.graphics.Color)	4282729913 (0xFF4545B9)
YUV	82.2240, 50.6686, -11.5974
Hunter-Lab	30.0136, 26.6875, -71.6154

Details

The CIELCh color **36, 70.936, 300.092** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **73, 58.740, 104.457**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 70.700, 300.005**, and **17, 70.320, 301.980** is the 20% darker color. If you saturate the color by 10%, you get **31, 83.018, 302.282**, and if you desaturate by 10%, it is **42, 58.599, 297.942**.

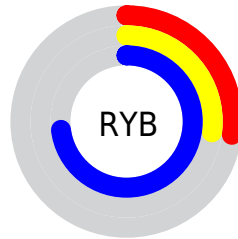
Distribution



Red (27%)

Green (27%)

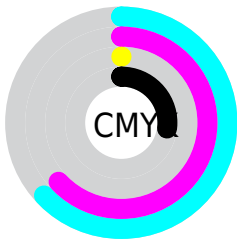
Blue (73%)



Red (27%)

Yellow (27%)

Blue (73%)

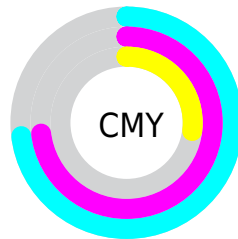


Cyan (63%)

Magenta (63%)

Yellow (0%)

Black (27%)



Cyan (73%)


Magenta (73%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 70.936, 300.092 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, 70.936, 300.092 by changing the saturation by 10% instead.


 36, 70.936,
300.092


 36, 70.936,
300.092

 100, 70.936,
300.092


 26, 70.936,
300.092

 56, 70.936,
300.092


 16, 70.936,
300.092


 66, 70.936,
300.092

 6, 70.936, 300.092

 76, 70.936,
300.092

 0, 70.936, 300.092

 86, 70.936,
300.092

 96, 70.936,
300.092

■ 36, 70.936,
300.092

■ 36, 70.936,
300.092

■ 31, 83.018,
302.282

■ 42, 58.599,
297.942

■ 26, 93.745,
304.242

■ 48, 46.521,
295.977

■ 23, 101.447,
305.634

■ 54, 34.884,
294.252

■ 22, 105.104,
306.285

■ 61, 23.723,
292.770

■ 67, 13.022,
291.510

■ 73, 2.749, 290.457

■ 80, 7.128, 109.517

■ 86, 16.639,
108.748

■ 92, 25.810,
108.087

Harmonies

Complementary

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



36, 70.936, 300.092



73, 58.740, 104.457

Rectangle

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



36, 70.936, 300.092



36, 70.936, 350.092



36, 70.936, 120.092



36, 70.936, 170.092

Sweetspot

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



36, 70.936, 300.093



80, 24.306, 292.315



69, 33.539, 194.967



40, 16.816, 292.691



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



36, 70.936, 300.093



39, 105.685, 303.010



41, 70.185, 311.699



35, 5.721, 291.127



17, 92.496, 306.285



1, 15.383, 290.292

Inverse Universe

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



46, 53.120, 28.087



54, 79.596, 32.357



69, 63.594, 125.792



36, 4.004, 19.901



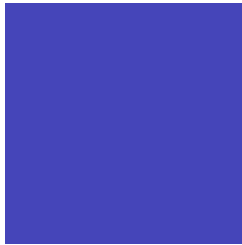
32, 71.864, 39.592



2, 10.638, 19.394

Previews

White Background



This preview shows how the CIE LCh color 36, 70.936, 300.092 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 36, 70.936, 300.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

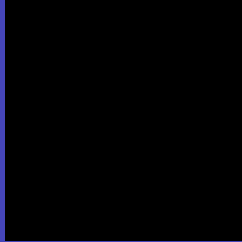
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 70.936, 300.092

Background



This preview shows how black text looks on a background with the CIELCh color 36, 70.936, 300.092.

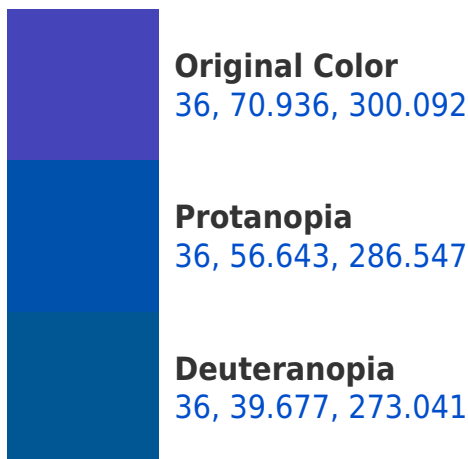


This preview shows how white text looks on a background with the CIELCh color 36, 70.936, 300.092.

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





Tritanopia
36, 21.449, 210.449

Trichromacy



Original Color
36, 70.936, 300.092

Protanomaly
35, 61.895, 290.955

Deuteranomaly
35, 50.696, 285.666

Tritanomaly
35, 31.580, 271.887

Monochromacy



Original Color
36, 70.936, 300.092

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 26.306, 294.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 70.936, 300.092 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(69, 69, 185)` looks like.

```
.text, #text, p{  
    color:rgb(69, 69, 185)  
}
```

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(69, 69, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 69, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 70.936, 300.092 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(69, 69, 185) }
```

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

```
.border{ border-color:rgb(69, 69, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 69, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 69, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 69, 185);  
box-shadow:4px 4px 4px 4px rgb(69, 69,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 70.936, 300.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 69, 185) }
```

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

```
.background{ background-color: rgb(69, 69,  
185) }
```

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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