

Converting Colors

CIELCh(36, 70.900, 306.128)

Have a look what the booklet for
CIELCh(36, 70.900, 306.128)
contains.

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Color

CIELCh(36, 70.900, 306.128)

Conversions

Conversions Part 1

Format	Color
Hex	5D3EB2
RGB	93, 62, 178
RGB Percent	36%, 24%, 70%
CMY	0.6348, 0.7565, 0.3015
CMYK	0.48, 0.65, 0.00, 0.30
HSL	256°, 48%, 47%
HSV	256°, 65%, 70%
XYZ	14.3014, 9.0082, 43.1642
YIQ	84.4930, -18.7600, 42.6480

Conversions

Conversions Part 2

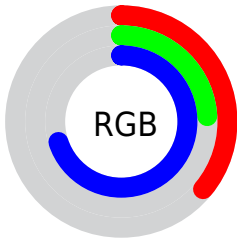
Format	Color
R_{YB}	93, 62, 178
Decimal	6110898
CIE _{Lab}	36.00, 41.80, -57.27
CIE _{LCh}	36, 70.900, 306.128
Yxy	9.0082, 0.2151, 0.1355
Android (android.graphics.Color)	4284300978 (0xFF5D3EB2)
YUV	84.4930, 46.0990, 7.4606
Hunter-Lab	30.0136, 32.5311, -64.2587

Details

The CIELCh color **36, 70.900, 306.128** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **68, 60.414, 117.067**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 71.373, 306.300**, and **16, 70.562, 306.086** is the 20% darker color. If you saturate the color by 10%, you get **31, 81.573, 307.039**, and if you desaturate by 10%, it is **41, 59.572, 305.119**.

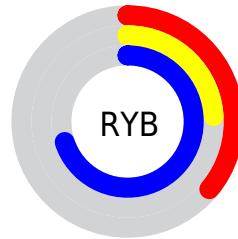
Distribution



Red (36%)

Green (24%)

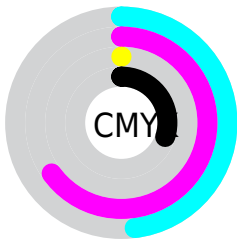
Blue (70%)



Red (36%)

Yellow (24%)

Blue (70%)

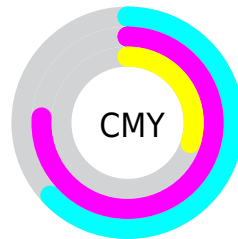


Cyan (48%)

Magenta (65%)

Yellow (0%)

Black (30%)



Cyan (63%)


Magenta (76%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 70.900, 306.128 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, 70.900, 306.128 by changing the saturation by 10% instead.


 36, 70.900,
306.128


 36, 70.900,
306.128

 100, 70.900,
306.128


 26, 70.900,
306.128

 56, 70.900,
306.128


 16, 70.900,
306.128


 66, 70.900,
306.128

 6, 70.900, 306.128

 76, 70.900,
306.128

 0, 70.900, 306.128

 86, 70.900,
306.128

 96, 70.900,
306.128

■ 36, 70.900,
306.128

■ 36, 70.900,
306.128

■ 31, 81.573,
307.039

■ 41, 59.572,
305.119

■ 27, 90.697,
307.691

■ 47, 48.136,
304.113

■ 24, 97.158,
307.895

■ 52, 36.876,
303.168

■ 23, 99.705,
307.950

■ 58, 25.925,
302.311

■ 64, 15.334,
301.548

■ 70, 5.115, 300.874

■ 75, 4.741, 120.305

■ 81, 14.249,
119.795

■ 87, 23.429,
119.357

Harmonies

Complementary

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



36, 70.900, 306.128



68, 60.414, 117.067

Rectangle

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



36, 70.900, 306.128



36, 70.900, 356.128



36, 70.900, 126.128



36, 70.900, 176.128

Sweetspot

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



36, 70.900, 306.129



78, 25.359, 301.934



57, 28.540, 236.319



40, 17.528, 302.150



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, 70.900, 306.129



39, 104.418, 307.356



43, 70.960, 320.249



35, 5.689, 301.146



19, 89.012, 308.052



1, 13.475, 298.242

Inverse Universe

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



46, 60.472, 338.039



55, 83.075, 339.580



65, 69.123, 134.201



35, 5.600, 333.577



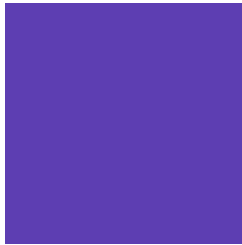
34, 64.581, 342.282



2, 12.545, 337.046

Previews

White Background



This preview shows how the CIELCh color 36, 70.900, 306.128 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, 70.900, 306.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

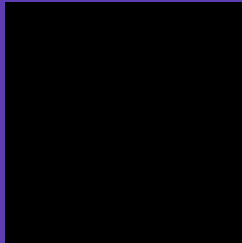
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 70.900, 306.128

Background



This preview shows how black text looks on a background with the CIELCh color 36, 70.900, 306.128.



This preview shows how white text looks on a background with the CIELCh color 36, 70.900, 306.128.

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

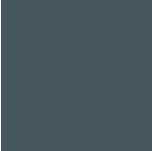
36, 70.900, 306.128

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 40.740, 274.137



Tritanopia
36, 7.830, 232.609

Trichromacy



Original Color
36, 70.900, 306.128



Protanomaly
35, 61.936, 292.261



Deuteranomaly
35, 51.235, 287.672



Tritanomaly
35, 29.330, 294.857

Monochromacy



Original Color
36, 70.900, 306.128



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 26.577, 302.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 70.900, 306.128 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(93, 62, 178)` looks like.

```
.text, #text, p{  
    color:rgb(93, 62, 178)  
}
```

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(93, 62, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 62, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 70.900, 306.128 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(93, 62, 178) }
```

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

```
.border{ border-color:rgb(93, 62, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 62, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 62, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 62, 178);  
box-shadow:4px 4px 4px 4px rgb(93, 62,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 70.900, 306.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 62, 178) }
```

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

```
.background{ background-color: rgb(93, 62,  
178) }
```

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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