

Converting Colors

CIELCh(36, 91.642, 311.330)

Have a look what the booklet for
CIELCh(36, 91.642, 311.330)
contains.

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Color

CIELCh(36, 91.852, 311.308)

Conversions

Conversions Part 1

Format	Color
Hex	6F28C6
RGB	111, 40, 198
RGB Percent	44%, 16%, 78%
CMY	0.5639, 0.8424, 0.2228
CMYK	0.44, 0.80, 0.00, 0.22
HSL	267°, 66%, 47%
HSV	267°, 80%, 78%
XYZ	17.5595, 9.0082, 54.3507
YIQ	79.2410, -8.4020, 64.1900

Conversions

Conversions Part 2

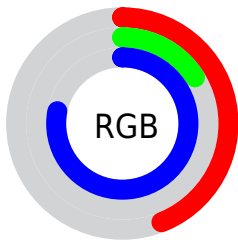
Format	Color
R _{YB}	111, 40, 198
Decimal	7284934
CIE Lab	36.00, 60.63, -69.00
CIE LCh	36, 91.852, 311.308
Yxy	9.0082, 0.2170, 0.1113
Android (android.graphics.Color)	4285475014 (0xFF6F28C6)
YUV	79.2410, 58.5482, 27.8526
Hunter-Lab	30.0136, 51.9077, -86.3570

Details

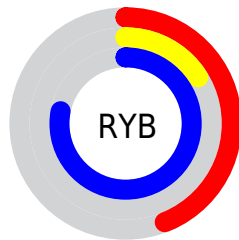
The CIELCh color **36, 91.852, 311.308** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **73, 79.884, 124.665**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 91.597, 311.450**, and **19, 83.562, 309.128** is the 20% darker color. If you saturate the color by 10%, you get **33, 99.369, 311.218**, and if you desaturate by 10%, it is **40, 82.010, 311.060**.

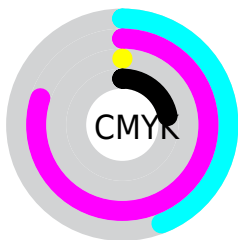
Distribution



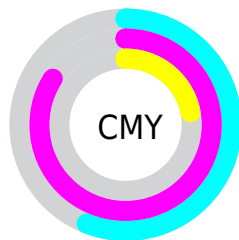
- Red (44%)
- Green (16%)
- Blue (78%)



- Red (44%)
- Yellow (16%)
- Blue (78%)



- Cyan (44%)
- Magenta (80%)
- Yellow (0%)
- Black (22%)





- Cyan (56%)
- Magenta (84%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 91.852, 311.308 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, 91.852, 311.308 by changing the saturation by 10% instead.


 36, 91.852,
311.308


 36, 91.852,
311.308

 100, 91.852,
311.308


 26, 91.852,
311.308

 56, 91.852,
311.308


 16, 91.852,
311.308


 66, 91.852,
311.308

 6, 91.852, 311.308

 76, 91.852,
311.308

 0, 91.852, 311.308

 86, 91.852,
311.308

 96, 91.852,
311.308

■ 36, 91.852,
311.308

■ 36, 91.852,
311.308

■ 33, 99.369,
311.218

■ 40, 82.010,
311.060

■ 30, 104.263,
310.767

■ 45, 70.738,
310.600

■ 30, 104.393,
310.756

■ 51, 58.761,
310.031

■ 56, 46.562,
309.425

■ 62, 34.433,
308.825

■ 68, 22.534,
308.258

■ 74, 10.945,
307.732

■ 80, 0.299, 127.607

■ 86, 11.187,
126.861

Harmonies

Complementary

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



36, 91.852, 311.308



73, 79.884, 124.665

Rectangle

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



36, 91.852, 311.308



36, 91.852, 1.308



36, 91.852, 131.308



36, 91.852, 181.308

Sweetspot

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



36, 91.852, 311.309



82, 33.872, 308.516



52, 42.942, 267.438



41, 23.385, 308.723



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 91.852, 311.309



40, 124.644, 310.843



47, 89.027, 325.737



39, 6.400, 307.715



24, 90.234, 310.913



2, 22.181, 304.144

Inverse Universe

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



46, 66.999, 351.321



56, 85.355, 356.625



70, 90.473, 136.429



39, 5.384, 341.723



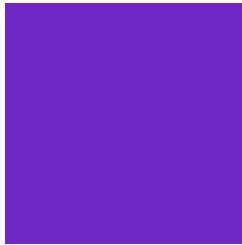
35, 61.502, 356.907



4, 18.398, 349.871

Previews

White Background



This preview shows how the CIELCh color 36, 91.852, 311.308 looks on a white background.

Color Contrast Check

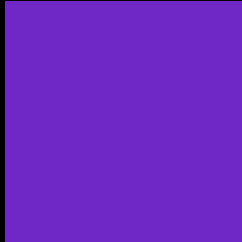
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.852, 311.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

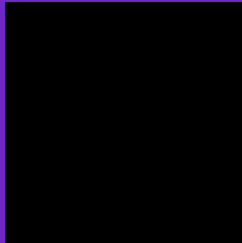
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 91.852, 311.308

Background



This preview shows how black text looks on a background with the CIELCh color 36, 91.852, 311.308.



This preview shows how white text looks on a background with the CIELCh color 36, 91.852, 311.308.

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, 91.852, 311.308

Protanopia
36, 56.573, 286.293

Deuteranopia
36, 40.207, 273.596



Tritanopia
36, 4.441, 301.684

Trichromacy



Original Color
36, 91.852, 311.308



Protanomaly
34, 71.167, 296.740



Deuteranomaly
33, 60.519, 293.745



Tritanomaly
34, 39.809, 309.379

Monochromacy



Original Color
36, 91.852, 311.308



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 37.048, 309.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 91.852, 311.308 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(111, 40, 198)` looks like.

```
.text, #text, p{  
    color:rgb(111, 40, 198)  
}
```

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(111, 40, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 40, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 91.852, 311.308 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(111, 40, 198) }
```

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

```
.border{ border-color:rgb(111, 40, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 40, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 40, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 40, 198);  
box-shadow:4px 4px 4px 4px rgb(111, 40,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 91.852, 311.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 40, 198) }
```

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

```
.background{ background-color: rgb(111, 40,  
198) }
```

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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