

Converting Colors

CIELCh(36, 83.649, 311.297)

Have a look what the booklet for
CIELCh(36, 83.649, 311.297)
contains.

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Color

CIELCh(36, 83.783, 311.332)

Conversions

Conversions Part 1

Format	Color
Hex	6F2FBC
RGB	111, 47, 188
RGB Percent	44%, 18%, 74%
CMY	0.5655, 0.8164, 0.2635
CMYK	0.41, 0.75, 0.00, 0.26
HSL	267°, 60%, 46%
HSV	267°, 75%, 74%
XYZ	16.5972, 9.0082, 48.3343
YIQ	82.2100, -7.1170, 57.4190

Conversions

Conversions Part 2

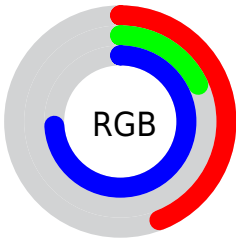
Format	Color
R_{YB}	111, 47, 188
Decimal	7286716
CIE _{Lab}	36.00, 55.33, -62.91
CIE _{LCh}	36, 83.783, 311.332
Yxy	9.0082, 0.2245, 0.1218
Android (android.graphics.Color)	4285476796 (0xFF6F2FBC)
YUV	82.2100, 52.1545, 25.2488
Hunter-Lab	30.0136, 46.1846, -74.4720

Details

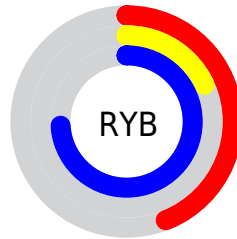
The CIELCh color **36, 83.783, 311.332** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **70, 73.600, 124.691**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 83.876, 311.495**, and **18, 78.476, 309.997** is the 20% darker color. If you saturate the color by 10%, you get **32, 92.158, 311.416**, and if you desaturate by 10%, it is **40, 73.614, 310.976**.

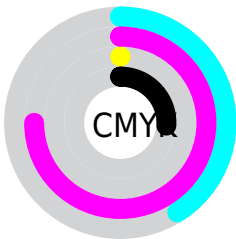
Distribution



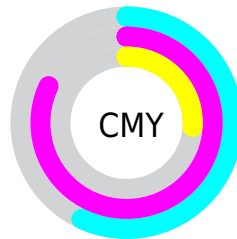
- Red (44%)
- Green (18%)
- Blue (74%)



- Red (44%)
- Yellow (18%)
- Blue (74%)



- Cyan (41%)
- Magenta (75%)
- Yellow (0%)
- Black (26%)





- Cyan (57%)
- Magenta (82%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 83.783, 311.332 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, 83.783, 311.332 by changing the saturation by 10% instead.


 36, 83.783,
311.332


 36, 83.783,
311.332

 100, 83.783,
311.332


 26, 83.783,
311.332

 56, 83.783,
311.332


 16, 83.783,
311.332


 66, 83.783,
311.332

 6, 83.783, 311.332

 76, 83.783,
311.332

 0, 83.783, 311.332

 86, 83.783,
311.332

 96, 83.783,
311.332

36, 83.783,
311.332

36, 83.783,
311.332

32, 92.158,
311.416

40, 73.614,
310.976

29, 97.918,
311.102

45, 62.439,
310.463

28, 100.154,
310.886

51, 50.835,
309.879

56, 39.167,
309.280

62, 27.645,
308.701

68, 16.383,
308.158

73, 5.434, 307.653

79, 5.180, 127.248

■ 85, 15.457,
126.843

Harmonies

Complementary

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



36, 83.783, 311.332



70, 73.600, 124.691

Rectangle

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



36, 83.783, 311.332



36, 83.783, 1.332



36, 83.783, 131.332



36, 83.783, 181.332

Sweetspot

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



36, 83.783, 311.333



80, 31.379, 308.606



50, 40.078, 267.474



40, 21.818, 308.810



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



36, 83.783, 311.333



41, 117.363, 311.267



46, 82.575, 326.236



37, 6.132, 307.867



23, 88.043, 311.032



2, 17.952, 303.445

Inverse Universe

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



44, 62.143, 350.495



54, 81.980, 354.859



67, 83.815, 137.004



37, 5.139, 341.943



34, 60.020, 357.201



3, 14.337, 348.879

Previews

White Background



This preview shows how the CIELCh color 36, 83.783, 311.332 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, 83.783, 311.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

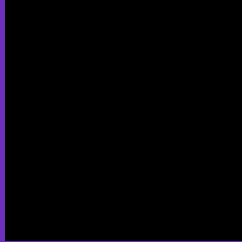
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 83.783, 311.332

Background



This preview shows how black text looks on a background with the CIELCh color 36, 83.783, 311.332.



This preview shows how white text looks on a background with the CIELCh color 36, 83.783, 311.332.

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, 83.783, 311.332

Protanopia

36, 56.573, 286.293

Deuteranopia

36, 40.740, 274.137



Tritanopia
36, 5.055, 320.799

Trichromacy



Original Color
36, 83.783, 311.332

Protanomaly
34, 67.557, 295.620

Deuteranomaly
33, 57.424, 292.393

Tritanomaly
35, 36.223, 310.650

Monochromacy



Original Color
36, 83.783, 311.332

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 33.109, 309.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 83.783, 311.332 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, 47, 188)` looks like.

```
.text, #text, p{  
    color:rgb(111, 47, 188)  
}
```

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, 47, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 47, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 83.783, 311.332 is called "border". The border property can be set on classes, ids or directly on the HTML element.

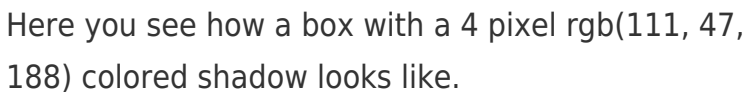
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 47, 188) }
```

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

```
.border{ border-color:rgb(111, 47, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 47, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 47, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 47, 188);  
box-shadow:4px 4px 4px 4px rgb(111, 47,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 83.783, 311.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 47, 188) }
```

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

```
.background{ background-color: rgb(111, 47,  
188) }
```

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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