

Converting Colors

CIELCh(35, 106.952, 305.805)

Have a look what the booklet for
CIELCh(35, 106.952, 305.805)
contains.

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Color

CIELCh(35, 107.241, 305.869)

Conversions

Conversions Part 1

Format	Color
Hex	472AE2
RGB	71, 42, 226
RGB Percent	28%, 16%, 89%
CMY	0.7212, 0.8351, 0.1135
CMYK	0.69, 0.81, 0.00, 0.11
HSL	249°, 76%, 53%
HSV	249°, 81%, 89%
XYZ	17.1727, 8.4984, 72.7366
YIQ	71.6470, -41.7800, 63.3720

Conversions

Conversions Part 2

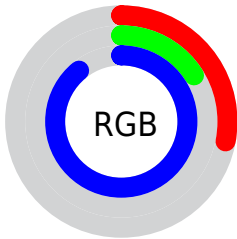
Format	Color
R _Y B	71, 42, 226
Decimal	4664034
CIE Lab	35.00, 62.84, -86.90
CIE LCh	35, 107.241, 305.869
Yxy	8.4984, 0.1745, 0.0864
Android (android.graphics.Color)	4282854114 (0xFF472AE2)
YUV	71.6470, 76.0960, -0.5674
Hunter-Lab	29.1520, 54.1338, -127.5270

Details

The CIELCh color **35, 107.241, 305.869** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **85, 83.654, 111.715**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 91.915, 306.519**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 116.343, 306.626**, and if you desaturate by 10%, it is **40, 95.003, 304.657**.

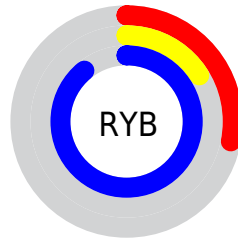
Distribution



Red (28%)

Green (16%)

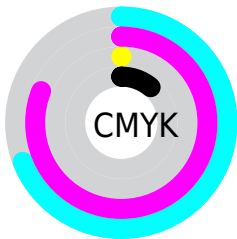
Blue (89%)



Red (28%)

Yellow (16%)

Blue (89%)

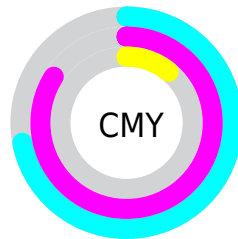


Cyan (69%)

Magenta (81%)

Yellow (0%)

Black (11%)



Cyan (72%)


Magenta (84%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 107.241, 305.869 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 35, 107.241, 305.869 by changing the saturation by 10% instead.


 35, 107.241,
305.869


 35, 107.241,
305.869


 100, 107.241,
305.869


 25, 107.241,
305.869


 55, 107.241,
305.869


 15, 107.241,
305.869


 65, 107.241,
305.869

 5, 107.241,
305.869

 75, 107.241,
305.869

 0, 107.241,
305.869

 85, 107.241,
305.869

 95, 107.241,
305.869

■ 35, 107.241,
305.869

■ 35, 107.241,
305.869

■ 31, 116.343,
306.626

■ 40, 95.003,
304.657

■ 29, 121.046,
306.868

■ 46, 81.253,
303.240

■ 53, 67.092,
301.804

■ 60, 53.089,
300.457

■ 67, 39.491,
299.246

■ 75, 26.384,
298.182

■ 82, 13.781,
297.259

■ 89, 1.664, 296.467

Harmonies

Complementary

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



35, 107.241, 305.869



85, 83.654, 111.715

Rectangle

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



35, 107.241, 305.869



35, 107.241, 355.869



35, 107.241, 125.869



35, 107.241, 175.869

Sweetspot

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



35, 107.242, 305.870



81, 32.812, 298.461



74, 38.337, 220.273



40, 22.702, 298.841



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 107.242, 305.870



34, 131.680, 306.792



45, 101.270, 316.665



43, 6.801, 297.094



21, 100.229, 306.959



2, 31.912, 299.641

Inverse Universe

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



54, 89.261, 334.367



58, 101.820, 335.706



81, 95.240, 131.077



44, 7.312, 329.641



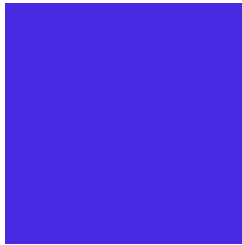
40, 77.374, 335.667



7, 32.289, 334.263

Previews

White Background



This preview shows how the CIELCh color 35, 107.241, 305.869 looks on a white background.

Color Contrast Check

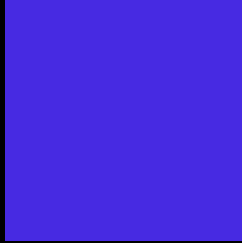
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 107.241, 305.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

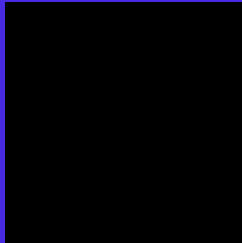
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 107.241, 305.869

Background



This preview shows how black text looks on a background with the CIELCh color 35, 107.241, 305.869.



This preview shows how white text looks on a background with the CIELCh color 35, 107.241, 305.869.

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


35, 107.241, 305.869

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 37.575, 271.733



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 107.241, 305.869

Protanomaly
33, 75.446, 296.618

Deuteranomaly
33, 64.319, 293.470

Tritanomaly
32, 45.250, 284.891

Monochromacy



Original Color
35, 107.241, 305.869

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 42.882, 301.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 107.241, 305.869 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(71, 42, 226)` looks like.

```
.text, #text, p{  
    color:rgb(71, 42, 226)  
}
```

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(71, 42, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 42, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 107.241, 305.869 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(71, 42, 226) }
```

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

```
.border{ border-color:rgb(71, 42, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 42, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 42, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 42, 226);  
box-shadow:4px 4px 4px 4px rgb(71, 42,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 107.241, 305.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 42, 226) }
```

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

```
.background{ background-color: rgb(71, 42,  
226) }
```

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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