

Converting Colors

CIELCh(42, 71.292, 305.766)

Have a look what the booklet for
CIELCh(42, 71.292, 305.766)
contains.

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Color

CIELCh(42, 71.292, 305.766)

Conversions

Conversions Part 1

Format	Color
Hex	6D4DC4
RGB	109, 77, 196
RGB Percent	43%, 30%, 77%
CMY	0.5733, 0.6987, 0.2321
CMYK	0.44, 0.61, 0.00, 0.23
HSL	256°, 50%, 53%
HSV	256°, 61%, 77%
XYZ	18.8667, 12.5000, 53.5279
YIQ	100.1340, -19.1270, 43.7930

Conversions

Conversions Part 2

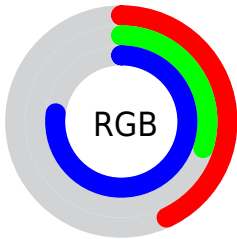
Format	Color
R_{YB}	109, 77, 196
Decimal	7163332
CIE _{Lab}	42.00, 41.67, -57.85
CIE _{LCh}	42, 71.292, 305.766
Yxy	12.5000, 0.2222, 0.1472
Android (android.graphics.Color)	4285353412 (0xFF6D4DC4)
YUV	100.1340, 47.2619, 7.7755
Hunter-Lab	35.3553, 33.3815, -65.0161

Details

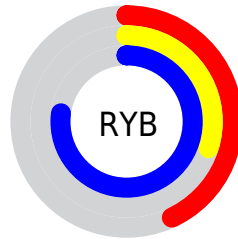
The CIELCh color **42, 71.292, 305.766** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **75, 61.531, 117.237**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 71.299, 305.906**, and **22, 70.962, 305.776** is the 20% darker color. If you saturate the color by 10%, you get **37, 83.186, 306.734**, and if you desaturate by 10%, it is **48, 58.961, 304.746**.

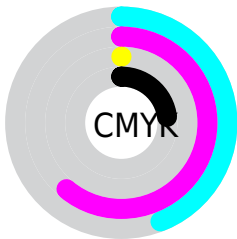
Distribution



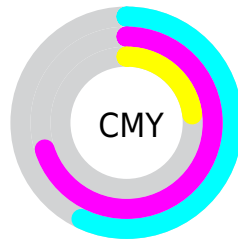
- Red (43%)
- Green (30%)
- Blue (77%)



- Red (43%)
- Yellow (30%)
- Blue (77%)



- Cyan (44%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)





- Cyan (57%)
- Magenta (70%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 71.292, 305.766 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 42, 71.292, 305.766 by changing the saturation by 10% instead.


 42, 71.292,
305.766


 42, 71.292,
305.766


 100, 71.292,
305.766


 32, 71.292,
305.766

 62, 71.292,
305.766


 22, 71.292,
305.766

 72, 71.292,
305.766

 12, 71.292,
305.766

 82, 71.292,
305.766

 2, 71.292, 305.766

 92, 71.292,
305.766

 0, 71.292, 305.766

 42, 71.292,

 42, 71.292,

305.766

■ 37, 83.186,
306.734

■ 32, 93.819,
307.508

■ 28, 102.017,
307.899

■ 26, 107.044,
307.910

305.766

■ 48, 58.961,
304.746

■ 54, 46.662,
303.758

■ 60, 34.627,
302.844


■ 66, 22.957,
302.023

■ 72, 11.688,
301.297

■ 79, 0.820, 300.622

■ 85, 9.660, 120.120

■ 91, 19.771,
119.643

 97, 29.535,
119.232

Harmonies

Complementary

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



42, 71.292, 305.766



75, 61.531, 117.237

Rectangle

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



42, 71.292, 305.766



42, 71.292, 355.766



42, 71.292, 125.766



42, 71.292, 175.766

Sweetspot

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



42, 71.292, 305.767



86, 24.556, 301.835



63, 29.363, 235.296



44, 17.154, 302.061



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 71.292, 305.767



46, 106.115, 307.027



49, 72.199, 320.177



38, 6.091, 301.203



20, 92.282, 308.033



2, 19.693, 298.356

Inverse Universe

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



51, 61.829, 337.719



62, 86.393, 339.106



71, 70.326, 134.406



38, 5.988, 333.636



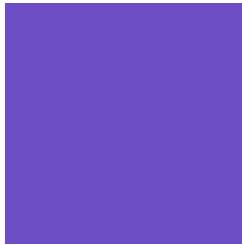
36, 66.828, 342.447



4, 18.774, 338.391

Previews

White Background



This preview shows how the CIELCh color 42, 71.292, 305.766 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 71.292, 305.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

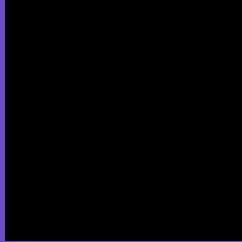
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 71.292, 305.766

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.292, 305.766.



This preview shows how white text looks on a background with the CIELCh color 42, 71.292, 305.766.

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

42, 71.292, 305.766

Protanopia

42, 65.224, 287.353

Deuteranopia

42, 47.434, 276.047



Tritanopia
42, 7.160, 241.607

Trichromacy



Original Color
42, 71.292, 305.766

Protanomaly
41, 67.620, 291.771

Deuteranomaly
41, 56.003, 286.943

Tritanomaly
41, 29.789, 296.393

Monochromacy



Original Color
42, 71.292, 305.766

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 26.451, 302.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.292, 305.766 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(109, 77, 196)` looks like.

```
.text, #text, p{  
    color:rgb(109, 77, 196)  
}
```

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(109, 77, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 77, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.292, 305.766 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(109, 77, 196) }
```

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

```
.border{ border-color:rgb(109, 77, 196) }
```

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

Here you see how a box with a 4 pixel rgb(109, 77, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 77, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 77, 196);  
box-shadow:4px 4px 4px 4px rgb(109, 77,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.292, 305.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 77, 196) }
```

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

```
.background{ background-color: rgb(109, 77,  
196) }
```

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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