

Converting Colors

CIELCh(42, 85.157, 305.609)

Have a look what the booklet for
CIELCh(42, 85.157, 305.609)
contains.

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Color

CIELCh(42, 85.662, 305.662)

Conversions

Conversions Part 1

Format	Color
Hex	6947D8
RGB	105, 71, 216
RGB Percent	41%, 28%, 85%
CMY	0.5876, 0.7211, 0.1524
CMYK	0.51, 0.67, 0.00, 0.15
HSL	254°, 65%, 56%
HSV	254°, 67%, 85%
XYZ	20.5181, 12.5000, 66.3943
YIQ	97.6960, -26.2810, 52.3030

Conversions

Conversions Part 2

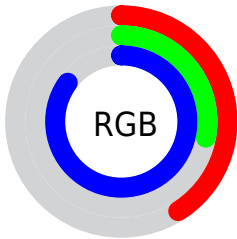
Format	Color
R_{YB}	105, 71, 216
Decimal	6899672
CIE _{Lab}	42.00, 49.94, -69.60
CIE _{LCh}	42, 85.662, 305.662
Yxy	12.5000, 0.2064, 0.1257
Android (android.graphics.Color)	4285089752 (0xFF6947D8)
YUV	97.6960, 58.3239, 6.4056
Hunter-Lab	35.3553, 41.7186, -86.5929

Details

The CIELCh color **42, 85.662, 305.662** 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 **82, 71.770, 115.531**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 75.369, 306.518**, and **22, 85.553, 305.662** is the 20% darker color. If you saturate the color by 10%, you get **37, 97.926, 306.657**, and if you desaturate by 10%, it is **48, 72.408, 304.535**.

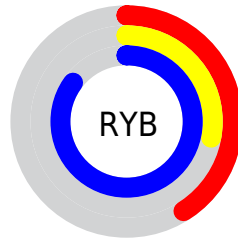
Distribution



Red (41%)

Green (28%)

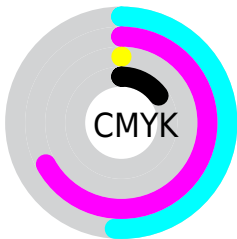
Blue (85%)



Red (41%)

Yellow (28%)

Blue (85%)

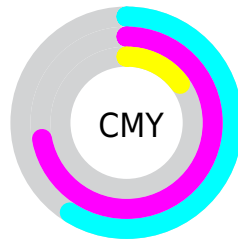


Cyan (51%)

Magenta (67%)

Yellow (0%)

Black (15%)



Cyan (59%)

Magenta (72%)

Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 85.662, 305.662 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, 85.662, 305.662 by changing the saturation by 10% instead.


 42, 85.662,
305.662


 42, 85.662,
305.662


 100, 85.662,
305.662


 32, 85.662,
305.662

 62, 85.662,
305.662


 22, 85.662,
305.662

 72, 85.662,
305.662

 12, 85.662,
305.662

 82, 85.662,
305.662

 2, 85.662, 305.662

 92, 85.662,
305.662

 0, 85.662, 305.662

 42, 85.662,

 42, 85.662,

305.662

305.662

■ 37, 97.926,
306.657

■ 48, 72.408,
304.535

■ 32, 107.962,
307.326

■ 55, 58.939,
303.405

■ 29, 114.438,
307.479

■ 61, 45.659,
302.344

■ 29, 115.931,
307.500


■ 68, 32.751,
301.384

■ 75, 20.282,
300.533

■ 82, 8.266, 299.789

■ 88, 3.308, 119.156

■ 95, 14.461,
118.593

 99, 19.647,
109.732

Harmonies

Complementary

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



42, 85.662, 305.662



82, 71.770, 115.531

Rectangle

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



42, 85.662, 305.662



42, 85.662, 355.662



42, 85.662, 125.662



42, 85.662, 175.662

Sweetspot

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



42, 85.662, 305.663



84, 27.292, 300.785



69, 33.584, 231.478



43, 18.719, 301.024



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, 85.662, 305.663



41, 116.661, 307.023



51, 84.775, 319.252



41, 6.591, 299.953



22, 97.121, 307.622



2, 27.914, 299.855

Inverse Universe

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



55, 73.542, 336.747



60, 92.829, 338.209



78, 81.919, 133.272



42, 6.663, 332.345



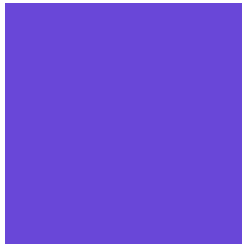
38, 71.543, 340.258



6, 27.730, 337.574

Previews

White Background



This preview shows how the CIE LCh color 42, 85.662, 305.662 looks on a white background.

Color Contrast Check

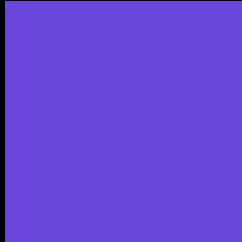
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.662, 305.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

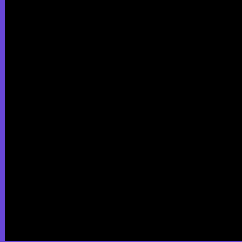
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 85.662, 305.662

Background



This preview shows how black text looks on a background with the CIELCh color 42, 85.662, 305.662.



This preview shows how white text looks on a background with the CIELCh color 42, 85.662, 305.662.

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, 85.662, 305.662

Protanopia

42, 64.668, 287.134

Deuteranopia

42, 45.858, 274.724



Tritanopia
42, 12.165, 221.792

Trichromacy



Original Color
42, 85.662, 305.662

Protanomaly
41, 72.877, 293.331

Deuteranomaly
40, 60.140, 288.769

Tritanomaly
41, 35.192, 291.636

Monochromacy



Original Color
42, 85.662, 305.662

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 32.647, 302.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 85.662, 305.662 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(105, 71, 216)` looks like.

```
.text, #text, p{  
    color:rgb(105, 71, 216)  
}
```

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(105, 71, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 71, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 85.662, 305.662 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(105, 71, 216) }
```

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

```
.border{ border-color:rgb(105, 71, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 71, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 71, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 71, 216);  
box-shadow:4px 4px 4px 4px rgb(105, 71,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 85.662, 305.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 71, 216) }
```

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

```
.background{ background-color: rgb(105, 71,  
216) }
```

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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