

Converting Colors

CIELCh(42, 76.316, 306.739)

Have a look what the booklet for
CIELCh(42, 76.316, 306.739)
contains.

CIELCh(42, 76.316, 306.739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 76.316, 306.739)

Conversions

Conversions Part 1

Format	Color
Hex	704ACA
RGB	112, 74, 202
RGB Percent	44%, 29%, 79%
CMY	0.5626, 0.7114, 0.2097
CMYK	0.45, 0.63, 0.00, 0.21
HSL	258°, 54%, 54%
HSV	258°, 63%, 79%
XYZ	19.6500, 12.5000, 56.9665
YIQ	99.9540, -18.4400, 47.8640

Conversions

Conversions Part 2

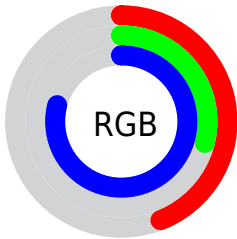
Format	Color
R_{YB}	112, 74, 202
Decimal	7359178
CIE _{Lab}	42.00, 45.65, -61.16
CIE _{LCh}	42, 76.316, 306.739
Yxy	12.5000, 0.2205, 0.1403
Android (android.graphics.Color)	4285549258 (0xFF704ACA)
YUV	99.9540, 50.3087, 10.5643
Hunter-Lab	35.3553, 37.3358, -70.7827

Details

The CIELCh color **42, 76.316, 306.739** 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 **76, 65.697, 118.366**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 73.621, 306.855**, and **22, 76.581, 306.860** is the 20% darker color. If you saturate the color by 10%, you get **37, 88.094, 307.570**, and if you desaturate by 10%, it is **48, 63.846, 305.811**.

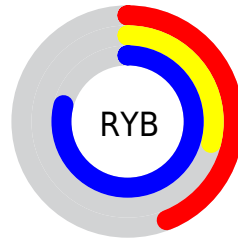
Distribution



Red (44%)

Green (29%)

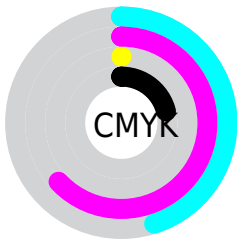
Blue (79%)



Red (44%)

Yellow (29%)

Blue (79%)

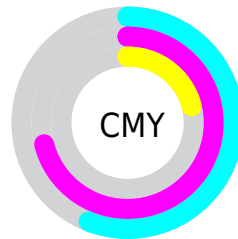


Cyan (45%)

Magenta (63%)

Yellow (0%)

Black (21%)



Cyan (56%)


Magenta (71%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 76.316, 306.739 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, 76.316, 306.739 by changing the saturation by 10% instead.


 42, 76.316,
306.739


 42, 76.316,
306.739


 100, 76.316,
306.739


 32, 76.316,
306.739

 62, 76.316,
306.739


 22, 76.316,
306.739

 72, 76.316,
306.739

 12, 76.316,
306.739

 82, 76.316,
306.739

 2, 76.316, 306.739

 92, 76.316,
306.739

 0, 76.316, 306.739

 42, 76.316,

 42, 76.316,

306.739

306.739

■ 37, 88.094,
307.570

■ 48, 63.846,
305.811

■ 32, 98.244,
308.153

■ 54, 51.259,
304.882

■ 29, 105.567,
308.305

■ 60, 38.860,
304.005

■ 27, 108.906,
308.228

■ 66, 26.793,
303.206

■ 73, 15.116,
302.493

■ 79, 3.842, 301.857

■ 85, 7.035, 121.330

■ 91, 17.532,
120.852

■ 98, 27.668,
120.441

Harmonies

Complementary

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



42, 76.316, 306.739



76, 65.697, 118.366

Rectangle

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



42, 76.316, 306.739



42, 76.316, 356.739



42, 76.316, 126.739



42, 76.316, 176.739

Sweetspot

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



42, 76.316, 306.740



85, 26.048, 302.895



64, 31.142, 238.750



43, 18.018, 303.107



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, 76.316, 306.740



45, 109.798, 307.816



50, 76.774, 320.751



40, 6.377, 302.226



22, 94.027, 308.354



2, 23.881, 300.066

Inverse Universe

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



52, 64.262, 339.364



60, 86.712, 340.990



73, 75.057, 134.653



40, 6.124, 334.749



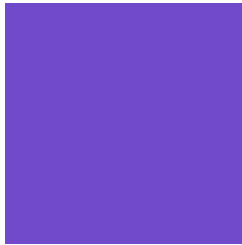
37, 67.116, 344.454



4, 22.797, 340.557

Previews

White Background



This preview shows how the CIELCh color 42, 76.316, 306.739 looks on a white background.

Color Contrast Check

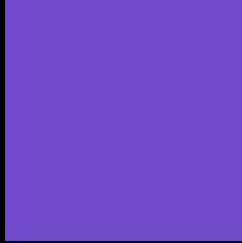
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.316, 306.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

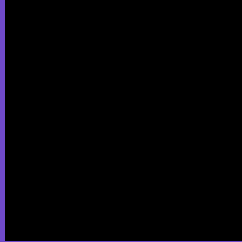
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 76.316, 306.739

Background



This preview shows how black text looks on a background with the CIELCh color 42, 76.316, 306.739.



This preview shows how white text looks on a background with the CIELCh color 42, 76.316, 306.739.

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

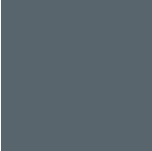
42, 76.316, 306.739

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 46.907, 275.616



Tritanopia
42, 6.890, 243.726

Trichromacy



Original Color
42, 76.316, 306.739

Protanomaly
41, 68.732, 292.170

Deuteranomaly
40, 57.181, 287.792

Tritanomaly
41, 31.681, 298.334

Monochromacy



Original Color
42, 76.316, 306.739

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 29.057, 304.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 76.316, 306.739 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(112, 74, 202)` looks like.

```
.text, #text, p{  
    color:rgb(112, 74, 202)  
}
```

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(112, 74, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 74, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 76.316, 306.739 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(112, 74, 202) }
```

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

```
.border{ border-color:rgb(112, 74, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 74, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 74, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 74, 202);  
box-shadow:4px 4px 4px 4px rgb(112, 74,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 76.316, 306.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 74, 202) }
```

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

```
.background{ background-color: rgb(112, 74,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor