

Converting Colors

CIELCh(42, 93.911, 309.136)

Have a look what the booklet for
CIELCh(42, 93.911, 309.136)
contains.

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Color

CIELCh(42, 94.106, 309.236)

Conversions

Conversions Part 1

Format	Color
Hex	783CDE
RGB	120, 60, 222
RGB Percent	47%, 24%, 87%
CMY	0.5294, 0.7647, 0.1294
CMYK	0.46, 0.73, 0.00, 0.13
HSL	262°, 71%, 55%
HSV	262°, 73%, 87%
XYZ	22.5481, 12.5000, 70.3358
YIQ	96.4080, -16.2420, 63.1020

Conversions

Conversions Part 2

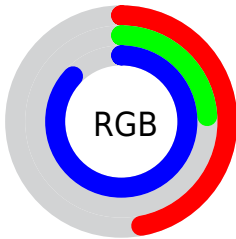
Format	Color
R_{YB}	120, 60, 222
Decimal	7879902
CIE _{Lab}	42.00, 59.52, -72.89
CIE _{LCh}	42, 94.106, 309.236
Yxy	12.5000, 0.2140, 0.1186
Android (android.graphics.Color)	4286069982 (0xFF783CDE)
YUV	96.4080, 61.9169, 20.6902
Hunter-Lab	35.3553, 51.9676, -93.2026

Details

The CIELCh color **42, 94.106, 309.236** 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, 80.502, 121.412**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 81.008, 311.084**, and **22, 93.348, 309.013** is the 20% darker color. If you saturate the color by 10%, you get **37, 104.611, 309.580**, and if you desaturate by 10%, it is **48, 81.760, 308.636**.

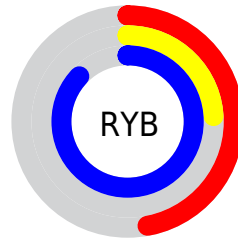
Distribution



Red (47%)

Green (24%)

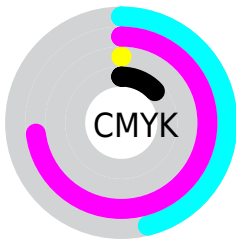
Blue (87%)



Red (47%)

Yellow (24%)

Blue (87%)

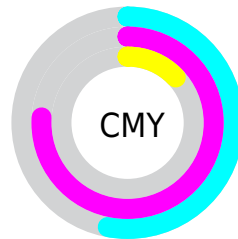


Cyan (46%)

Magenta (73%)

Yellow (0%)

Black (13%)



Cyan (53%)

Magenta (76%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 94.106, 309.236 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, 94.106, 309.236 by changing the saturation by 10% instead.


 42, 94.106,
309.236


 42, 94.106,
309.236


 100, 94.106,
309.236


 32, 94.106,
309.236

 62, 94.106,
309.236


 22, 94.106,
309.236

 72, 94.106,
309.236

 12, 94.106,
309.236

 82, 94.106,
309.236

 2, 94.106, 309.236

 92, 94.106,
309.236

 0, 94.106, 309.236

 42, 94.106,

 42, 94.106,

309.236

■ 37, 104.611,
309.580

■ 34, 112.128,
309.508

■ 32, 115.620,
309.237

309.236

■ 48, 81.760,
308.636

■ 54, 68.532,
307.912

■ 60, 55.051,
307.155

■ 66, 41.675,
306.421

■ 73, 28.590,
305.737

■ 80, 15.882,
305.116

■ 86, 3.584, 304.547

■ 93, 8.301, 124.093

■ 99, 17.063,
120.221

Harmonies

Complementary

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



42, 94.106, 309.236



82, 80.502, 121.412

Rectangle

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



42, 94.106, 309.236



42, 94.106, 359.236



42, 94.106, 129.236



42, 94.106, 179.236

Sweetspot

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



42, 94.106, 309.237



84, 30.599, 305.685



64, 39.807, 255.409



42, 20.650, 305.865



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, 94.106, 309.237



41, 121.403, 309.599



53, 92.348, 323.502



43, 6.974, 304.912



25, 97.004, 309.396



3, 32.640, 305.540

Inverse Universe

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



53, 72.803, 344.795



57, 87.506, 347.866



79, 92.269, 135.807



44, 6.285, 337.936



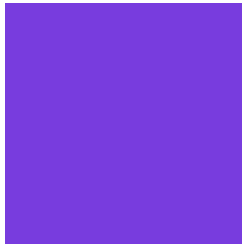
38, 67.146, 350.287



7, 28.154, 345.659

Previews

White Background



This preview shows how the CIELCh color 42, 94.106, 309.236 looks on a white background.

Color Contrast Check

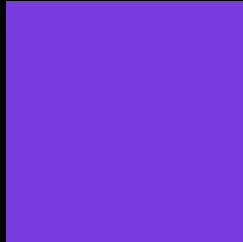
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.106, 309.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

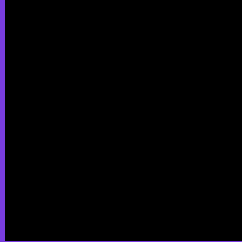
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 94.106, 309.236

Background



This preview shows how black text looks on a background with the CIELCh color 42, 94.106, 309.236.



This preview shows how white text looks on a background with the CIELCh color 42, 94.106, 309.236.

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, 94.106, 309.236

Protanopia

42, 64.042, 286.692

Deuteranopia

42, 45.327, 273.972



Tritanopia
42, 5.919, 254.177

Trichromacy



Original Color
42, 94.106, 309.236

Protanomaly
40, 75.844, 295.026

Deuteranomaly
40, 63.100, 291.110

Tritanomaly
40, 39.429, 303.787

Monochromacy



Original Color
42, 94.106, 309.236

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 36.866, 307.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 94.106, 309.236 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(120, 60, 222)` looks like.

```
.text, #text, p{  
    color:rgb(120, 60, 222)  
}
```

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(120, 60, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 60, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 94.106, 309.236 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(120, 60, 222) }
```

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

```
.border{ border-color:rgb(120, 60, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 60, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 60, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 60, 222);  
box-shadow:4px 4px 4px 4px rgb(120, 60,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 94.106, 309.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 60, 222) }
```

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

```
.background{ background-color: rgb(120, 60,  
222) }
```

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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