

Converting Colors

CIELCh(42, 109.483, 303.200)

Have a look what the booklet for
CIELCh(42, 109.483, 303.200)
contains.

CIELCh(42, 109.633, 303.257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(42, 109.633, 303.257)

Conversions

Conversions Part 1

Format	Color
Hex	4842FF
RGB	72, 66, 255
RGB Percent	28%, 26%, 100%
CMY	0.7174, 0.7411, 0.0000
CMYK	0.72, 0.74, 0.00, 0.00
HSL	242°, 100%, 63%
HSV	242°, 74%, 100%
XYZ	22.6792, 12.5000, 95.8477
YIQ	89.3400, -57.0930, 60.0510

Conversions

Conversions Part 2

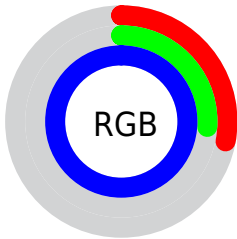
Format	Color
R_{YB}	72, 66, 255
Decimal	4735743
CIE _{Lab}	42.00, 60.12, -91.68
CIE _{LCh}	42, 109.633, 303.257
Yxy	12.5000, 0.1731, 0.0954
Android (android.graphics.Color)	4282925823 (0xFF4842FF)
YUV	89.3400, 81.6704, -15.2072
Hunter-Lab	35.3553, 52.6294, -135.9854

Details

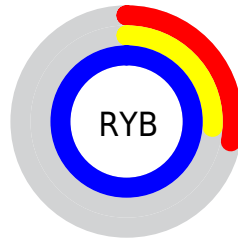
The CIELCh color **42, 109.633, 303.257** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **97, 85.980, 105.311**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 78.257, 303.408**, and **25, 106.444, 305.330** is the 20% darker color. If you saturate the color by 10%, you get **37, 122.585, 304.961**, and if you desaturate by 10%, it is **49, 94.331, 301.234**.

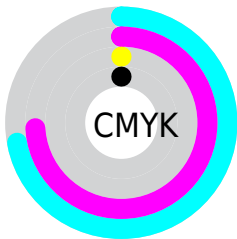
Distribution



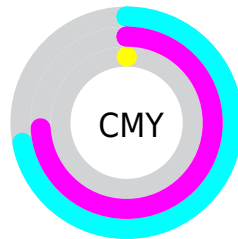
- Red (28%)
- Green (26%)
- Blue (100%)



- Red (28%)
- Yellow (26%)
- Blue (100%)



- Cyan (72%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 109.633, 303.257 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, 109.633, 303.257 by changing the saturation by 10% instead.


 42, 109.633,
303.257


 42, 109.633,
303.257


 100, 109.633,
303.257


 32, 109.633,
303.257


 62, 109.633,
303.257


 22, 109.633,
303.257


 72, 109.633,
303.257

 12, 109.633,
303.257

 82, 109.633,
303.257

 2, 109.633,
303.257

 92, 109.633,
303.257

 0, 109.633,
303.257

 42, 109.633,

 42, 109.633,

303.257

303.257

■ 37, 122.585,
304.961

■ 49, 94.331,
301.234

■ 33, 130.997,
306.016

■ 56, 78.387,
299.182

■ 32, 133.678,
306.350

■ 64, 62.638,
297.275

■ 72, 47.415,
295.585

■ 80, 32.805,
294.125

■ 89, 18.804,
292.881

■ 97, 5.375, 291.832

100, 0.012,
296.813

Harmonies

Complementary

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



42, 109.633, 303.257



97, 85.980, 105.311

Rectangle

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



42, 109.633, 303.257



42, 109.633, 353.257



42, 109.633, 123.257



42, 109.633, 173.257

Sweetspot

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



42, 109.621, 303.258



82, 29.802, 293.846



91, 45.675, 198.711



41, 20.139, 294.207



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, 109.621, 303.258



35, 127.392, 305.574



51, 105.426, 312.983



49, 7.508, 292.374



23, 107.621, 306.377



3, 44.205, 302.405

Inverse Universe

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



63, 102.235, 328.976



61, 110.478, 329.367



91, 94.706, 126.923



50, 8.863, 325.814



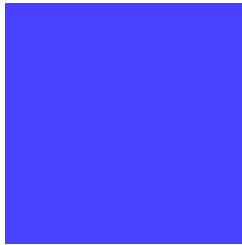
45, 90.780, 329.545



12, 41.889, 329.382

Previews

White Background



This preview shows how the CIE LCh color 42, 109.633, 303.257 looks on a white background.

Color Contrast Check

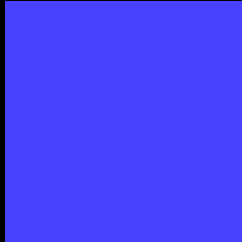
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.633, 303.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

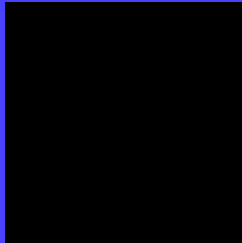
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 109.633, 303.257

Background



This preview shows how black text looks on a background with the CIELCh color 42, 109.633, 303.257.

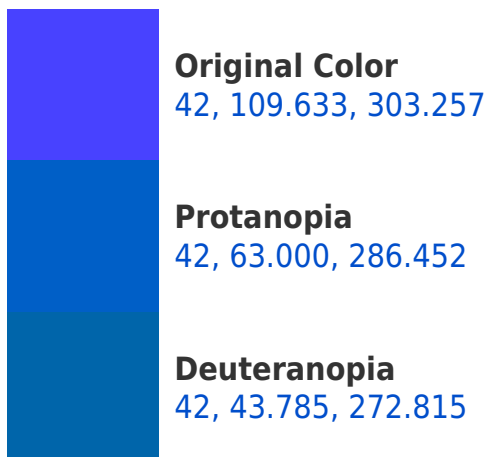


This preview shows how white text looks on a background with the CIELCh color 42, 109.633, 303.257.

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





Tritanopia
42, 25.971, 206.113

Trichromacy



Original Color
42, 109.633, 303.257

Protanomaly
41, 80.978, 294.739

Deuteranomaly
40, 68.369, 290.869

Tritanomaly
39, 46.149, 279.451

Monochromacy



Original Color
42, 109.633, 303.257

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 41.849, 297.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 109.633, 303.257 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(72, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 66, 255)  
}
```

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(72, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 66, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 109.633, 303.257 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(72, 66, 255) }
```

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

```
.border{ border-color:rgb(72, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 66,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 109.633, 303.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 66, 255) }
```

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

```
.background{ background-color: rgb(72, 66,  
255) }
```

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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