

Converting Colors

CIELCh(42, 114.637, 308.130)

Have a look what the booklet for
CIELCh(42, 114.637, 308.130)
contains.

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Color

CIELCh(42, 114.636, 308.123)

Conversions

Conversions Part 1

Format	Color
Hex	6D31FD
RGB	109, 49, 253
RGB Percent	43%, 19%, 99%
CMY	0.5707, 0.8097, 0.0097
CMYK	0.57, 0.81, 0.00, 0.01
HSL	258°, 98%, 59%
HSV	258°, 81%, 99%
XYZ	25.0965, 12.5000, 93.6231
YIQ	90.1960, -29.7240, 76.1640

Conversions

Conversions Part 2

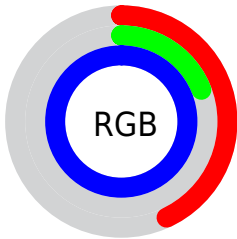
Format	Color
R_{YB}	109, 49, 253
Decimal	7156221
CIE _{Lab}	42.00, 70.77, -90.18
CIE _{LCh}	42, 114.636, 308.123
Yxy	12.5000, 0.1913, 0.0953
Android (android.graphics.Color)	4285346301 (0xFF6D31FD)
YUV	90.1960, 80.2624, 16.4911
Hunter-Lab	35.3553, 64.8338, -132.2548

Details

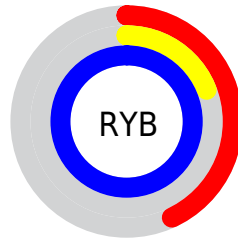
The CIELCh color **42, 114.636, 308.123** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **92, 93.525, 118.533**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 86.077, 311.025**, and **24, 108.777, 306.613** is the 20% darker color. If you saturate the color by 10%, you get **38, 124.038, 308.350**, and if you desaturate by 10%, it is **48, 102.036, 307.486**.

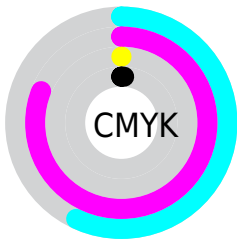
Distribution



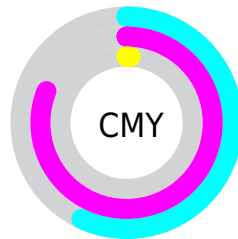
- Red (43%)
- Green (19%)
- Blue (99%)



- Red (43%)
- Yellow (19%)
- Blue (99%)



- Cyan (57%)
- Magenta (81%)
- Yellow (0%)
- Black (1%)





- Cyan (57%)
- Magenta (81%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 114.636, 308.123 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, 114.636, 308.123 by changing the saturation by 10% instead.


 42, 114.636,
308.123


 42, 114.636,
308.123


 100, 114.636,
308.123


 32, 114.636,
308.123


 62, 114.636,
308.123


 22, 114.636,
308.123


 72, 114.636,
308.123


 12, 114.636,
308.123


 82, 114.636,
308.123

 2, 114.636,
308.123

 92, 114.636,
308.123

 0, 114.636,
308.123

 42, 114.636,

 42, 114.636,

308.123

308.123

■ 38, 124.038,
308.350

■ 48, 102.036,
307.486

■ 35, 129.222,
308.139

■ 54, 87.682,
306.624

■ 61, 72.646,
305.684

■ 68, 57.560,
304.755

■ 76, 42.749,
303.888

■ 83, 28.362,
303.102

■ 91, 14.456,
302.404

■ 99, 1.040, 301.742

100, 1.243,
110.023

Harmonies

Complementary

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



42, 114.636, 308.123



92, 93.525, 118.533

Rectangle

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



42, 114.636, 308.123



42, 114.636, 358.123



42, 114.636, 128.123



42, 114.636, 178.123

Sweetspot

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



42, 114.637, 308.124



82, 33.204, 303.346



74, 43.052, 244.997



41, 22.953, 303.627



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, 114.637, 308.124



36, 128.695, 308.214



55, 108.858, 320.771



49, 7.667, 302.321



26, 104.646, 308.288



5, 44.751, 307.678

Inverse Universe

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



59, 88.293, 341.788



57, 92.048, 344.624



88, 107.067, 134.035



50, 7.347, 334.856



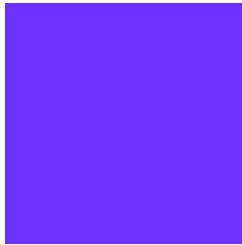
43, 74.377, 344.842



11, 35.042, 342.274

Previews

White Background



This preview shows how the CIELCh color 42, 114.636, 308.123 looks on a white background.

Color Contrast Check

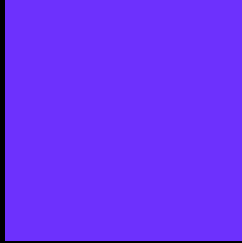
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 114.636, 308.123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

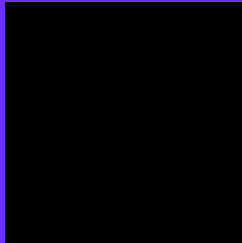
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 114.636, 308.123

Background



This preview shows how black text looks on a background with the CIELCh color 42, 114.636, 308.123.



This preview shows how white text looks on a background with the CIELCh color 42, 114.636, 308.123.

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, 114.703, 308.032

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 44.300, 273.309



Tritanopia
42, 17.155, 214.134

Trichromacy



Original Color
42, 114.703, 308.032



Protanomaly
40, 84.635, 297.136



Deuteranomaly
39, 72.075, 294.049



Tritanomaly
39, 48.157, 294.115

Monochromacy



Original Color
42, 114.703, 308.032



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 46.090, 305.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 114.636, 308.123 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, 49, 253)` looks like.

```
.text, #text, p{  
    color:rgb(109, 49, 253)  
}
```

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, 49, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 49, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 114.636, 308.123 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, 49, 253) }
```

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

```
.border{ border-color:rgb(109, 49, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 49, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 49, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 49, 253);  
box-shadow:4px 4px 4px 4px rgb(109, 49,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 114.636, 308.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 49, 253) }
```

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

```
.background{ background-color: rgb(109, 49,  
253) }
```

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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