

Converting Colors

CIELCh(42, 114.057, 306.846)

Have a look what the booklet for
CIELCh(42, 114.057, 306.846)
contains.

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Color

CIELCh(42, 114.079, 306.869)

Conversions

Conversions Part 1

Format	Color
Hex	6435FE
RGB	100, 53, 254
RGB Percent	39%, 21%, 100%
CMY	0.6059, 0.7907, 0.0023
CMYK	0.61, 0.79, 0.00, 0.00
HSL	254°, 99%, 60%
HSV	254°, 79%, 100%
XYZ	24.5548, 12.5000, 95.2295
YIQ	89.9670, -36.5090, 72.4750

Conversions

Conversions Part 2

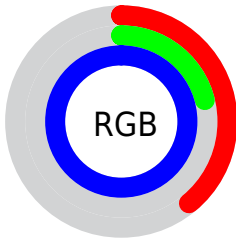
Format	Color
R _Y B	100, 53, 254
Decimal	6567422
CIE Lab	42.00, 68.45, -91.26
CIE LCh	42, 114.079, 306.869
Yxy	12.5000, 0.1856, 0.0945
Android (android.graphics.Color)	4284757502 (0xFF6435FE)
YUV	89.9670, 80.8683, 8.7989
Hunter-Lab	35.3553, 62.0988, -134.9488

Details

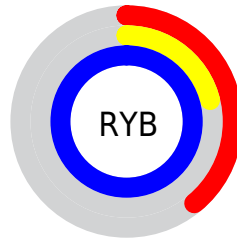
The CIELCh color $42, 114.079, 306.869$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as middle washed purple. A complement of this color would be $94, 91.527, 115.483$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 84.293, 309.110$, and $24, 109.772, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $37, 124.560, 307.419$, and if you desaturate by 10%, it is $48, 100.588, 305.930$.

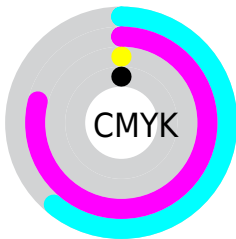
Distribution



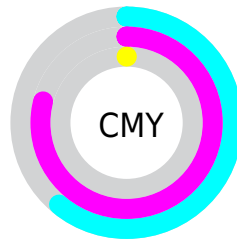
- Red (39%)
- Green (21%)
- Blue (100%)



- Red (39%)
- Yellow (21%)
- Blue (100%)



- Cyan (61%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 114.079, 306.869 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, 114.079, 306.869 by changing the saturation by 10% instead.


 42, 114.079,
306.869


 42, 114.079,
306.869


 100, 114.079,
306.869


 32, 114.079,
306.869


 62, 114.079,
306.869


 22, 114.079,
306.869


 72, 114.079,
306.869


 12, 114.079,
306.869


 82, 114.079,
306.869

 2, 114.079,
306.869

 92, 114.079,
306.869

 0, 114.079,
306.869

 42, 114.079,

 42, 114.079,

306.869

306.869

■ 37, 124.560,
307.419

■ 48, 100.588,
305.930

■ 34, 130.752,
307.432

■ 55, 85.640,
304.809

■ 34, 131.244,
307.429

■ 62, 70.270,
303.660

■ 70, 55.037,
302.568

■ 77, 40.198,
301.573

■ 85, 25.856,
300.691

■ 93, 12.036,
299.918

100, 0.287,
109.887

Harmonies

Complementary

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



42, 114.079, 306.869



94, 91.527, 115.483

Rectangle

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



42, 114.079, 306.869



42, 114.079, 356.869



42, 114.079, 126.869



42, 114.079, 176.869

Sweetspot

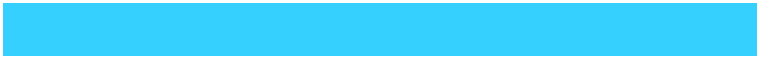
The Sweet Spot groups the original color and five complimentary colors.



42, 114.080, 306.870



81, 32.997, 301.117



78, 41.519, 235.187



41, 22.820, 301.438



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, 114.080, 306.870



36, 128.957, 307.475



54, 108.456, 319.223



49, 7.608, 299.953



25, 105.702, 307.556



4, 44.627, 306.246

Inverse Universe

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



60, 91.747, 337.974



58, 96.129, 339.922



89, 104.979, 133.026



50, 7.692, 332.344



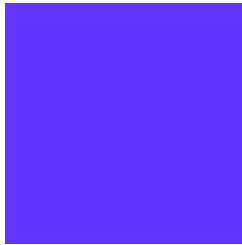
43, 77.705, 340.359



11, 36.489, 338.566

Previews

White Background



This preview shows how the CIELCh color 42, 114.079, 306.869 looks on a white background.

Color Contrast Check

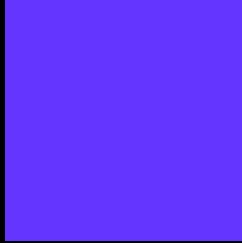
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.079, 306.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

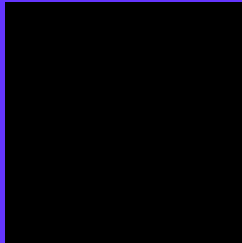
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 114.079, 306.869

Background



This preview shows how black text looks on a background with the CIELCh color 42, 114.079, 306.869.

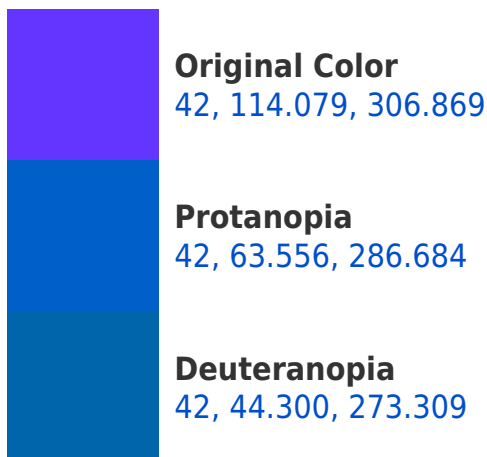



This preview shows how white text looks on a background with the CIELCh color 42, 114.079, 306.869.

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, 22.856, 210.934

Trichromacy



Original Color
42, 114.079, 306.869

Protanomaly
40, 83.953, 296.523

Deuteranomaly
39, 70.819, 293.115

Tritanomaly
39, 48.406, 287.791

Monochromacy



Original Color
42, 114.079, 306.869

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 45.250, 303.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 114.079, 306.869 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(100, 53, 254)` looks like.

```
.text, #text, p{  
    color:rgb(100, 53, 254)  
}
```

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(100, 53, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 53, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 114.079, 306.869 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(100, 53, 254) }
```

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

```
.border{ border-color:rgb(100, 53, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 53, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 53, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 53, 254);  
box-shadow:4px 4px 4px 4px rgb(100, 53,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 114.079, 306.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 53, 254) }
```

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

```
.background{ background-color: rgb(100, 53,  
254) }
```

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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