

Converting Colors

CIELCh(42, 114.704, 307.679)

Have a look what the booklet for
CIELCh(42, 114.704, 307.679)
contains.

CIELCh(42, 114.967, 307.659)	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, 114.967, 307.659)

Conversions

Conversions Part 1

Format	Color
Hex	6A32FE
RGB	106, 50, 254
RGB Percent	42%, 20%, 100%
CMY	0.5843, 0.8040, 0.0039
CMYK	0.58, 0.80, 0.00, 0.00
HSL	256°, 99%, 60%
HSV	256°, 80%, 100%
XYZ	24.9722, 12.5000, 94.8575
YIQ	90.0000, -32.1080, 75.3160

Conversions

Conversions Part 2

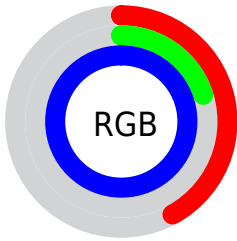
Format	Color
R _{YB}	106, 50, 254
Decimal	6959870
CIE _{Lab}	42.00, 70.24, -91.01
CIE _{LCh}	42, 114.967, 307.659
Y _{xy}	12.5000, 0.1887, 0.0945
Android (android.graphics.Color)	4285149950 (0xFF6A32FE)
YUV	90.0000, 80.8520, 14.0320
Hunter-Lab	35.3553, 64.2063, -134.3249

Details

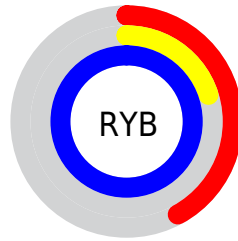
The CIELCh color **42, 114.967, 307.659** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **93, 93.101, 117.412**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 85.482, 310.329**, and **24, 109.645, 306.357** is the 20% darker color. If you saturate the color by 10%, you get **38, 124.721, 307.992**, and if you desaturate by 10%, it is **48, 102.040, 306.918**.

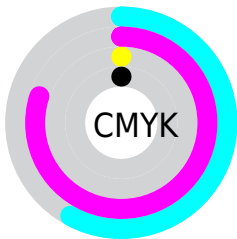
Distribution



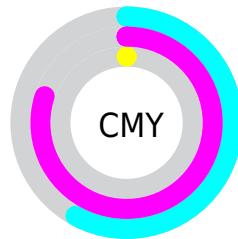
- Red (42%)
- Green (20%)
- Blue (100%)



- Red (42%)
- Yellow (20%)
- Blue (100%)



- Cyan (58%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 114.967, 307.659 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, 114.967, 307.659 by changing the saturation by 10% instead.


 42, 114.967,
307.659


 42, 114.967,
307.659


 100, 114.967,
307.659


 32, 114.967,
307.659


 62, 114.967,
307.659


 22, 114.967,
307.659


 72, 114.967,
307.659


 12, 114.967,
307.659


 82, 114.967,
307.659

 2, 114.967,
307.659

 92, 114.967,
307.659

 0, 114.967,
307.659

 42, 114.967,

 42, 114.967,

307.659

307.659

■ 38, 124.721,
307.992

■ 48, 102.040,
306.918

■ 35, 130.306,
307.848

■ 54, 87.438,
305.964

■ 61, 72.236,
304.947

■ 69, 57.047,
303.957

■ 76, 42.179,
303.042

■ 84, 27.763,
302.219

■ 92, 13.846,
301.491

■ 99, 0.430, 300.752

100, 0.499,
109.985

Harmonies

Complementary

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



42, 114.967, 307.659



93, 93.101, 117.412

Rectangle

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



42, 114.967, 307.659



42, 114.967, 357.659



42, 114.967, 127.659



42, 114.967, 177.659

Sweetspot

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



42, 114.968, 307.660



82, 33.120, 302.511



75, 42.551, 241.800



41, 22.900, 302.806



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, 114.968, 307.660



36, 128.705, 307.931



55, 109.120, 320.247



49, 7.643, 301.436



25, 105.063, 307.991



4, 44.706, 307.123

Inverse Universe

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



59, 89.857, 340.323



57, 93.519, 342.726



89, 106.773, 133.717



50, 7.475, 333.886



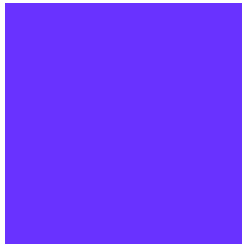
43, 75.564, 343.097



11, 35.565, 340.834

Previews

White Background



This preview shows how the CIELCh color 42, 114.967, 307.659 looks on a white background.

Color Contrast Check

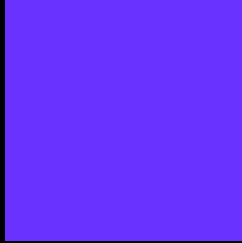
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.967, 307.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

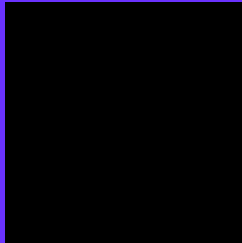
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 114.967, 307.659

Background



This preview shows how black text looks on a background with the CIELCh color 42, 114.967, 307.659.



This preview shows how white text looks on a background with the CIELCh color 42, 114.967, 307.659.

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, 114.967, 307.659

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 44.300, 273.309



Tritanopia
42, 19.560, 213.682

Trichromacy



Original Color
42, 114.967, 307.659

Protanomaly
40, 84.560, 296.904

Deuteranomaly
39, 72.090, 293.965

Tritanomaly
39, 48.802, 291.900

Monochromacy



Original Color
42, 114.967, 307.659

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 46.647, 304.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 114.967, 307.659 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(106, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(106, 50, 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(106, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 114.967, 307.659 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(106, 50, 254) }
```

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

```
.border{ border-color:rgb(106, 50, 254) }
```

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

Here you see how a box with a 4 pixel rgb(106, 50, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(106, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 114.967, 307.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 50, 254) }
```

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

```
.background{ background-color: rgb(106, 50,  
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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