

Converting Colors

CIELCh(42, 116.807, 308.228)

Have a look what the booklet for
CIELCh(42, 116.807, 308.228)
contains.

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Color

CIELCh(42, 116.807, 308.227)

Conversions

Conversions Part 1

Format	Color
Hex	6D2EFF
RGB	109, 46, 255
RGB Percent	43%, 18%, 100%
CMY	0.5710, 0.8183, 0.0000
CMYK	0.57, 0.82, 0.00, 0.00
HSL	258°, 100%, 59%
HSV	258°, 82%, 100%
XYZ	25.4518, 12.5000, 95.9712
YIQ	88.6630, -29.5410, 78.3550

Conversions

Conversions Part 2

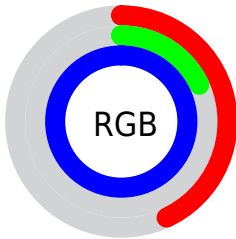
Format	Color
R _{YB}	109, 46, 255
Decimal	7155455
CIE _{Lab}	42.00, 72.28, -91.76
CIE _{LCh}	42, 116.807, 308.227
Yxy	12.5000, 0.1900, 0.0933
Android (android.graphics.Color)	4285345535 (0xFF6D2EFF)
YUV	88.6630, 82.0041, 17.8355
Hunter-Lab	35.3553, 66.6279, -136.1925

Details

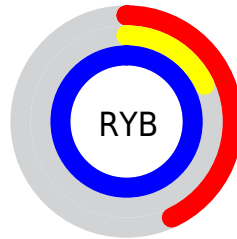
The CIELCh color **42, 116.807, 308.227** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **93, 95.011, 118.736**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 87.202, 311.265**, and **24, 109.733, 306.542** is the 20% darker color. If you saturate the color by 10%, you get **38, 125.665, 308.394**, and if you desaturate by 10%, it is **47, 104.246, 307.646**.

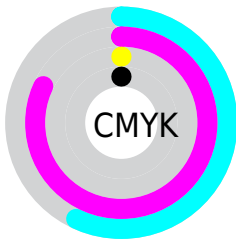
Distribution



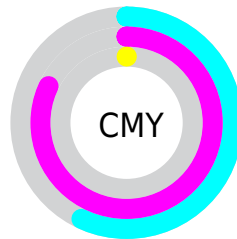
- Red (43%)
- Green (18%)
- Blue (100%)



- Red (43%)
- Yellow (18%)
- Blue (100%)



- Cyan (57%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (82%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 116.807, 308.227 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, 116.807, 308.227 by changing the saturation by 10% instead.


 42, 116.807,
308.227


 42, 116.807,
308.227


 100, 116.807,
308.227


 32, 116.807,
308.227


 62, 116.807,
308.227


 22, 116.807,
308.227


 72, 116.807,
308.227


 12, 116.807,
308.227


 82, 116.807,
308.227

 2, 116.807,
308.227

 92, 116.807,
308.227

 0, 116.807,
308.227

 42, 116.807,

 42, 116.807,

308.227

308.227

■ 38, 125.665,
308.394

■ 47, 104.246,
307.646

■ 36, 130.112,
308.178

■ 54, 89.929,
306.812

■ 61, 74.823,
305.885

■ 68, 59.609,
304.961

■ 76, 44.643,
304.092

■ 83, 30.091,
303.303

■ 91, 16.018,
302.600

■ 99, 2.438, 301.964

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, 116.807, 308.227



93, 95.011, 118.736

Rectangle

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



42, 116.807, 308.227



42, 116.807, 358.227



42, 116.807, 128.227



42, 116.807, 178.227

Sweetspot

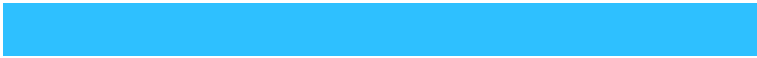
The Sweet Spot groups the original color and five complimentary colors.



42, 116.647, 308.236



81, 34.661, 303.544



73, 44.394, 248.422



40, 23.792, 303.822



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, 116.647, 308.236



36, 129.114, 308.230



55, 110.329, 321.289



49, 7.670, 302.449



26, 104.583, 308.333



5, 44.757, 307.760

Inverse Universe

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



59, 89.198, 342.162



57, 91.838, 345.084



89, 109.098, 134.331



50, 7.329, 334.999



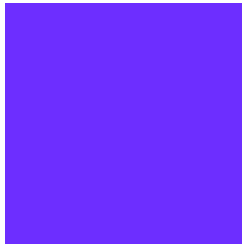
42, 74.212, 345.101



11, 34.968, 342.487

Previews

White Background



This preview shows how the CIE LCh color 42, 116.807, 308.227 looks on a white background.

Color Contrast Check

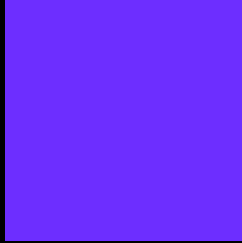
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.807, 308.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

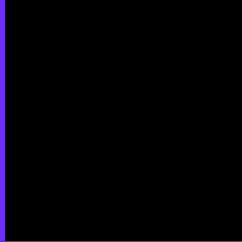
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 116.807, 308.227

Background



This preview shows how black text looks on a background with the CIELCh color 42, 116.807, 308.227.



This preview shows how white text looks on a background with the CIELCh color 42, 116.807, 308.227.

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, 116.807, 308.227

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 44.300, 273.309



Tritanopia
42, 17.718, 215.635

Trichromacy



Original Color
42, 116.807, 308.227



Protanomaly
39, 85.814, 297.476



Deuteranomaly
39, 73.288, 294.505



Tritanomaly
39, 50.006, 294.532

Monochromacy



Original Color
42, 116.807, 308.227



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 47.421, 305.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 116.807, 308.227 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, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 46, 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(109, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 46, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 116.807, 308.227 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, 46, 255) }
```

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

```
.border{ border-color:rgb(109, 46, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 46,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 116.807, 308.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 46, 255) }
```

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

```
.background{ background-color: rgb(109, 46,  
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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