

Converting Colors

CIELCh(42, 107.616, 301.547)

Have a look what the booklet for
CIELCh(42, 107.616, 301.547)
contains.

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Color

CIELCh(42, 107.445, 301.520)

Conversions

Conversions Part 1

Format	Color
Hex	3747FF
RGB	55, 71, 255
RGB Percent	22%, 28%, 100%
CMY	0.7855, 0.7221, 0.0007
CMYK	0.79, 0.72, 0.00, 0.00
HSL	235°, 100%, 61%
HSV	235°, 79%, 100%
XYZ	21.8235, 12.5000, 95.7204
YIQ	87.1920, -68.6000, 53.8320

Conversions

Conversions Part 2

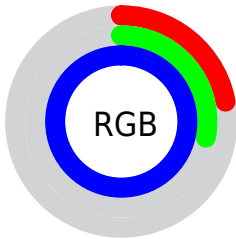
Format	Color
R _Y B	55, 70, 255
Decimal	3622911
CIE Lab	42.00, 56.17, -91.59
CIE LCh	42, 107.445, 301.520
Yxy	12.5000, 0.1678, 0.0961
Android (android.graphics.Color)	4281812991 (0xFF3747FF)
YUV	87.1920, 82.7293, -28.2324
Hunter-Lab	35.3553, 48.3093, -135.7719

Details

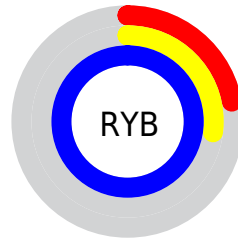
The CIELCh color **42, 107.445, 301.520** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **93, 83.927, 98.806**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 75.840, 300.460**, and **26, 103.387, 304.505** is the 20% darker color. If you saturate the color by 10%, you get **37, 120.161, 303.757**, and if you desaturate by 10%, it is **48, 92.964, 299.010**.

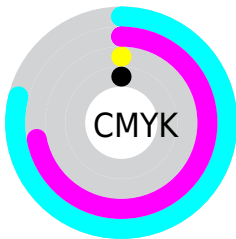
Distribution



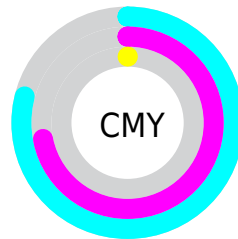
- Red (22%)
- Green (28%)
- Blue (100%)



- Red (22%)
- Yellow (27%)
- Blue (100%)



- Cyan (79%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 107.445, 301.520 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, 107.445, 301.520 by changing the saturation by 10% instead.


 42, 107.445,
301.520


 42, 107.445,
301.520


 100, 107.445,
301.520


 32, 107.445,
301.520


 62, 107.445,
301.520


 22, 107.445,
301.520


 72, 107.445,
301.520

 12, 107.445,
301.520


 82, 107.445,
301.520

 2, 107.445,
301.520

 92, 107.445,
301.520

 0, 107.445,
301.520

 42, 107.445,

 42, 107.445,

301.520

301.520

■ 37, 120.161,
303.757

■ 48, 92.964,
299.010

■ 34, 129.205,
305.375

■ 55, 78.084,
296.514

■ 33, 130.142,
305.534

■ 63, 63.475,
294.212

■ 70, 49.377,
292.178

■ 78, 35.837,
290.424

■ 86, 22.833,
288.930

■ 93, 10.326,
287.664

■ 100, 0.078,
109.186

Harmonies

Complementary

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



42, 107.445, 301.520



93, 83.927, 98.806

Rectangle

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



42, 107.445, 301.520



42, 107.445, 351.520



42, 107.445, 121.520



42, 107.445, 171.520

Sweetspot

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



42, 107.446, 301.521



82, 29.891, 289.716



91, 50.530, 186.350



41, 20.678, 290.268



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, 107.446, 301.521



35, 125.739, 304.740



46, 111.376, 310.531



49, 6.893, 287.777



24, 104.041, 305.310



4, 41.562, 300.337

Inverse Universe

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



56, 83.612, 28.583



54, 97.307, 35.345



92, 95.604, 123.416



50, 5.274, 13.423



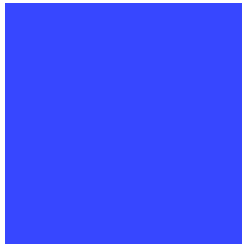
40, 80.863, 36.874



10, 32.736, 23.912

Previews

White Background



This preview shows how the CIELCh color 42, 107.445, 301.520 looks on a white background.

Color Contrast Check

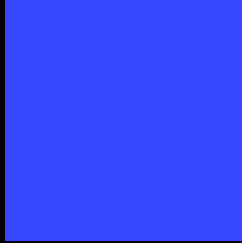
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.445, 301.520 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, 107.445, 301.520

Background



This preview shows how black text looks on a background with the CIELCh color 42, 107.445, 301.520.

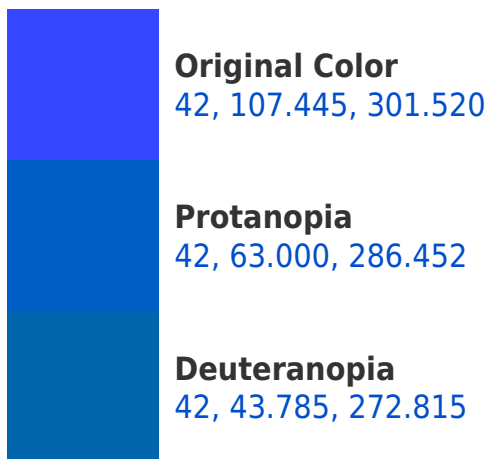


This preview shows how white text looks on a background with the CIELCh color 42, 107.445, 301.520.

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
41, 26.048, 204.689

Trichromacy



Original Color
42, 107.445, 301.520

Protanomaly
41, 79.747, 293.901

Deuteranomaly
41, 67.144, 289.752

Tritanomaly
40, 44.593, 276.952

Monochromacy



Original Color
42, 107.445, 301.520

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 41.303, 293.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 107.445, 301.520 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(55, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 71, 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(55, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 71, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 107.445, 301.520 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(55, 71, 255) }
```

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

```
.border{ border-color:rgb(55, 71, 255) }
```

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

Here you see how a box with a 4 pixel rgb(55, 71, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 71,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 107.445, 301.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 71, 255) }
```

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

```
.background{ background-color: rgb(55, 71,  
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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