

Converting Colors

CIELCh(42, 97.393, 301.664)

Have a look what the booklet for
CIELCh(42, 97.393, 301.664)
contains.

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Color

CIELCh(42, 97.020, 301.562)

Conversions

Conversions Part 1

Format	Color
Hex	484AEF
RGB	72, 74, 239
RGB Percent	28%, 29%, 94%
CMY	0.7178, 0.7099, 0.0629
CMYK	0.70, 0.69, 0.00, 0.06
HSL	239°, 84%, 61%
HSV	239°, 70%, 94%
XYZ	20.6912, 12.5000, 82.9582
YIQ	92.2120, -54.1570, 50.8910

Conversions

Conversions Part 2

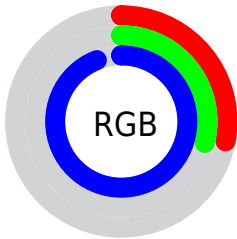
Format	Color
R _Y B	72, 74, 239
Decimal	4737775
CIE Lab	42.00, 50.78, -82.67
CIE LCh	42, 97.020, 301.562
Yxy	12.5000, 0.1781, 0.1076
Android (android.graphics.Color)	4282927855 (0xFF484AEF)
YUV	92.2120, 72.3665, -17.7259
Hunter-Lab	35.3553, 42.5926, -114.3700

Details

The CIELCh color **42, 97.020, 301.562** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **91, 77.666, 103.299**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 73.979, 301.109**, and **24, 94.988, 303.761** is the 20% darker color. If you saturate the color by 10%, you get **36, 110.691, 303.685**, and if you desaturate by 10%, it is **49, 82.113, 299.288**.

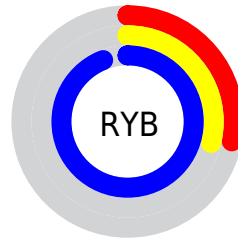
Distribution



Red (28%)

Green (29%)

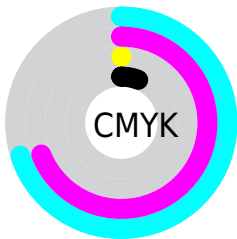
Blue (94%)



Red (28%)

Yellow (29%)

Blue (94%)

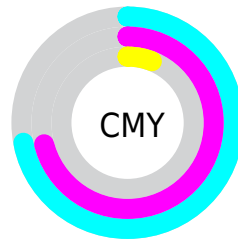


Cyan (70%)

Magenta (69%)

Yellow (0%)

Black (6%)



Cyan (72%)


Magenta (71%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 97.020, 301.562 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, 97.020, 301.562 by changing the saturation by 10% instead.


 42, 97.020,
301.562


 42, 97.020,
301.562


 100, 97.020,
301.562


 32, 97.020,
301.562

 62, 97.020,
301.562


 22, 97.020,
301.562

 72, 97.020,
301.562

 12, 97.020,
301.562

 82, 97.020,
301.562

 2, 97.020, 301.562

 92, 97.020,
301.562

 0, 97.020, 301.562

 42, 97.020,

 42, 97.020,

301.562

■ 36, 110.691,
303.685

■ 32, 121.173,
305.307

■ 30, 126.858,
306.175

■ 30, 126.909,
306.182

301.562

■ 49, 82.113,
299.288

■ 56, 67.122,
297.106

■ 64, 52.544,
295.142

■ 71, 38.533,
293.435

■ 79, 25.107,
291.976

■ 87, 12.233,
290.742

■ 95, 0.128, 109.072

■ 100, 8.115,
109.561

Harmonies

Complementary

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



42, 97.020, 301.562



91, 77.666, 103.299

Rectangle

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



42, 97.020, 301.562



42, 97.020, 351.562



42, 97.020, 121.562



42, 97.020, 171.562

Sweetspot

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



42, 97.021, 301.563



83, 28.016, 292.137



87, 43.502, 194.682



42, 19.072, 292.525



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, 97.021, 301.563



37, 121.673, 304.483



49, 95.412, 311.997



46, 7.044, 290.696



22, 104.000, 306.141



3, 37.492, 298.545

Inverse Universe

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



56, 73.264, 29.823



55, 92.704, 35.082



87, 85.268, 125.719



47, 4.991, 18.966



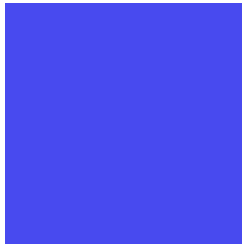
38, 81.149, 39.501



8, 29.771, 23.326

Previews

White Background



This preview shows how the CIE LCh color 42, 97.020, 301.562 looks on a white background.

Color Contrast Check

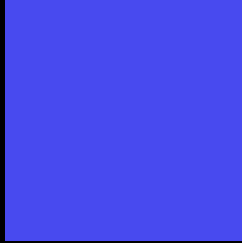
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.020, 301.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

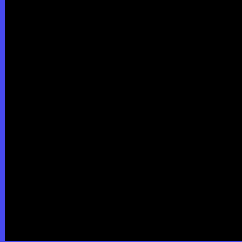
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 97.020, 301.562

Background



This preview shows how black text looks on a background with the CIELCh color 42, 97.020, 301.562.

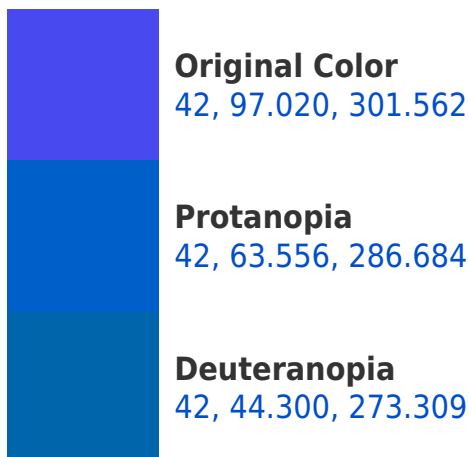


This preview shows how white text looks on a background with the CIELCh color 42, 97.020, 301.562.

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, 25.908, 207.544

Trichromacy



Original Color
42, 97.020, 301.562

Protanomaly
41, 76.280, 293.194

Deuteranomaly
41, 63.632, 288.716

Tritanomaly
40, 41.223, 274.528

Monochromacy



Original Color
42, 97.020, 301.562

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 36.779, 295.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 97.020, 301.562 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(72, 74, 239)` looks like.

```
.text, #text, p{  
    color:rgb(72, 74, 239)  
}
```

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(72, 74, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 74, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 97.020, 301.562 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(72, 74, 239) }
```

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

```
.border{ border-color:rgb(72, 74, 239) }
```

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

Here you see how a box with a 4 pixel rgb(72, 74, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 74, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 74, 239);  
box-shadow:4px 4px 4px 4px rgb(72, 74,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 97.020, 301.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 74, 239) }
```

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

```
.background{ background-color: rgb(72, 74,  
239) }
```

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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