

Converting Colors

CIELCh(42, 92.667, 297.212)

Have a look what the booklet for
CIELCh(42, 92.667, 297.212)
contains.

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Color

CIELCh(42, 92.532, 297.197)

Conversions

Conversions Part 1

Format	Color
Hex	1D52EE
RGB	29, 82, 238
RGB Percent	11%, 32%, 93%
CMY	0.8878, 0.6778, 0.0659
CMYK	0.88, 0.66, 0.00, 0.07
HSL	225°, 86%, 52%
HSV	225°, 88%, 93%
XYZ	18.9880, 12.5000, 82.4598
YIQ	83.9370, -81.6640, 37.2800

Conversions

Conversions Part 2

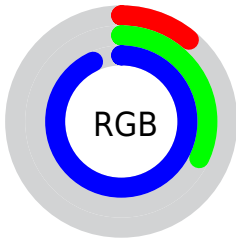
Format	Color
R_{YB}	29, 71, 238
Decimal	1921774
CIE _{Lab}	42.00, 42.29, -82.30
CIE _{LCh}	42, 92.532, 297.197
Yxy	12.5000, 0.1666, 0.1097
Android (android.graphics.Color)	4280111854 (0xFF1D52EE)
YUV	83.9370, 75.9531, -48.1797
Hunter-Lab	35.3553, 33.9935, -113.5342

Details

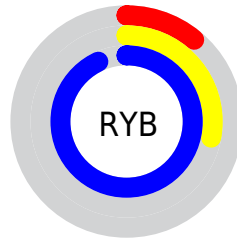
The CIELCh color **42, 92.532, 297.197** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **78, 76.348, 84.876**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.874, 294.610**, and **26, 89.379, 302.067** is the 20% darker color. If you saturate the color by 10%, you get **38, 103.533, 300.311**, and if you desaturate by 10%, it is **47, 81.035, 293.912**.

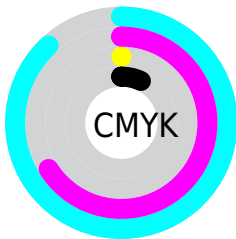
Distribution



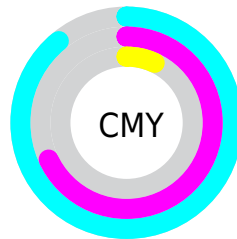
- Red (11%)
- Green (32%)
- Blue (93%)



- Red (11%)
- Yellow (28%)
- Blue (93%)



- Cyan (88%)
- Magenta (66%)
- Yellow (0%)
- Black (7%)





- Cyan (89%)
- Magenta (68%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 92.532, 297.197 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, 92.532, 297.197 by changing the saturation by 10% instead.


 42, 92.532,
297.197


 42, 92.532,
297.197


 100, 92.532,
297.197


 32, 92.532,
297.197

 62, 92.532,
297.197


 22, 92.532,
297.197

 72, 92.532,
297.197

 12, 92.532,
297.197

 82, 92.532,
297.197

 2, 92.532, 297.197

 92, 92.532,
297.197

 0, 92.532, 297.197

 42, 92.532,

 42, 92.532,

297.197

■ 38, 103.533,
300.311

■ 37, 105.630,
300.868

297.197

■ 47, 81.035,
293.912

■ 53, 69.594,
290.716

■ 58, 58.451,
287.773

■ 64, 47.661,
285.162

■ 71, 37.207,
282.895

■ 77, 27.054,
280.949

■ 83, 17.171,
279.289

■ 89, 7.536, 277.881

Harmonies

Complementary

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



42, 92.532, 297.197



78, 76.348, 84.876

Rectangle

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



42, 92.532, 297.197



42, 92.532, 347.197



42, 92.532, 117.197



42, 92.532, 167.197

Sweetspot

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



42, 92.533, 297.198



83, 26.499, 280.615



84, 61.098, 166.737



42, 18.043, 281.238



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, 92.533, 297.198



40, 111.609, 300.978



35, 117.406, 307.362



47, 5.399, 278.076



28, 85.537, 300.367



6, 30.935, 293.235

Inverse Universe

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



51, 79.726, 19.462



54, 90.572, 26.244



88, 91.761, 115.755



47, 5.274, 359.968



38, 70.139, 24.985



8, 28.858, 12.834

Previews

White Background



This preview shows how the CIE LCh color 42, 92.532, 297.197 looks on a white background.

Color Contrast Check

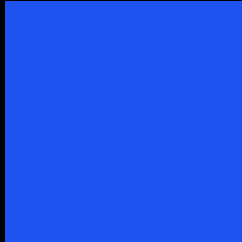
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.532, 297.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

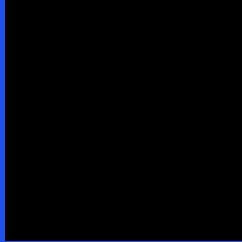
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 92.532, 297.197

Background



This preview shows how black text looks on a background with the CIELCh color 42, 92.532, 297.197.

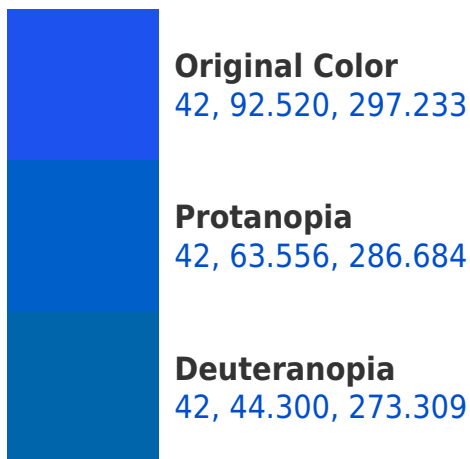


This preview shows how white text looks on a background with the CIELCh color 42, 92.532, 297.197.

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, 92.520, 297.233

Protanomaly
42, 74.471, 291.596

Deuteranomaly
41, 61.330, 286.317

Tritanomaly
40, 39.549, 269.751

Monochromacy



Original Color
42, 92.520, 297.233

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 35.453, 286.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 92.532, 297.197 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(29, 82, 238)` looks like.

```
.text, #text, p{  
    color:rgb(29, 82, 238)  
}
```

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(29, 82, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 82, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 92.532, 297.197 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(29, 82, 238) }
```

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

```
.border{ border-color:rgb(29, 82, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 82, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 82, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 82, 238);  
box-shadow:4px 4px 4px 4px rgb(29, 82,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 92.532, 297.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 82, 238) }
```

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

```
.background{ background-color: rgb(29, 82,  
238) }
```

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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