

Converting Colors

CIELCh(42, 82.580, 307.583)

Have a look what the booklet for
CIELCh(42, 82.580, 307.583)
contains.

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Color

CIELCh(42, 82.318, 307.505)

Conversions

Conversions Part 1

Format	Color
Hex	7246D1
RGB	114, 70, 209
RGB Percent	45%, 27%, 82%
CMY	0.5540, 0.7264, 0.1814
CMYK	0.46, 0.67, 0.00, 0.18
HSL	259°, 60%, 55%
HSV	259°, 67%, 82%
XYZ	20.5543, 12.5000, 61.4768
YIQ	99.0020, -18.3950, 52.5570

Conversions

Conversions Part 2

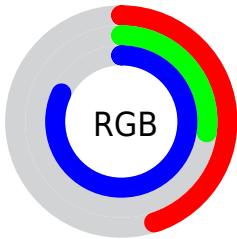
Format	Color
RYB	114, 70, 209
Decimal	7489233
CIELab	42.00, 50.12, -65.30
CIElCh	42, 82.318, 307.505
Yxy	12.5000, 0.2174, 0.1322
Android (android.graphics.Color)	4285679313 (0xFF7246D1)
YUV	99.0020, 54.2290, 13.1532
Hunter-Lab	35.3553, 41.9017, -78.3463

Details

The CIELCh color **42, 82.318, 307.505** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **78, 70.538, 119.158**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 76.100, 308.209**, and **22, 82.210, 307.535** is the 20% darker color. If you saturate the color by 10%, you get **37, 93.906, 308.207**, and if you desaturate by 10%, it is **48, 69.715, 306.657**.

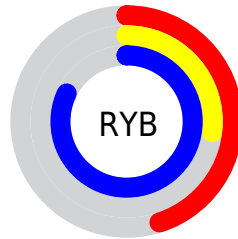
Distribution



Red (45%)

Green (27%)

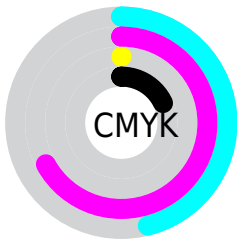
Blue (82%)



Red (45%)

Yellow (27%)

Blue (82%)

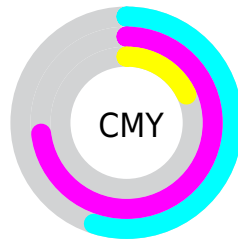


Cyan (46%)

Magenta (67%)

Yellow (0%)

Black (18%)



Cyan (55%)


Magenta (73%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 82.318, 307.505 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, 82.318, 307.505 by changing the saturation by 10% instead.


 42, 82.318,
307.505


 42, 82.318,
307.505


 100, 82.318,
307.505


 32, 82.318,
307.505

 62, 82.318,
307.505


 22, 82.318,
307.505


 72, 82.318,
307.505

 12, 82.318,
307.505

 82, 82.318,
307.505

 2, 82.318, 307.505

 92, 82.318,
307.505

 0, 82.318, 307.505

 42, 82.318,

 42, 82.318,

307.505

37, 93.906,
308.207

33, 103.417,
308.601

30, 109.723,
308.525

29, 111.452,
308.469

307.505

48, 69.715,
306.657

54, 56.802,
305.772

60, 43.976,
304.917

67, 31.438,
304.127

73, 19.275,
303.414

80, 7.519, 302.779

86, 3.830, 122.248

92, 14.784,
121.756

■ 98, 23.901,
119.862

Harmonies

Complementary

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



42, 82.318, 307.505



78, 70.538, 119.158

Rectangle

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



42, 82.318, 307.505



42, 82.318, 357.505



42, 82.318, 127.505



42, 82.318, 177.505

Sweetspot

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



42, 82.318, 307.506



85, 27.532, 303.665



65, 33.370, 242.436



43, 18.876, 303.868



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, 82.318, 307.506



43, 114.401, 308.427



50, 82.123, 321.321



41, 6.526, 302.952



22, 94.779, 308.610



2, 26.015, 301.294

Inverse Universe

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



52, 67.535, 340.763



59, 87.664, 342.736



75, 80.629, 134.857



41, 6.162, 335.571



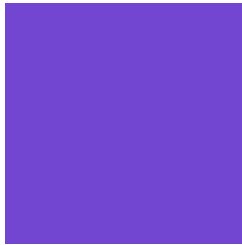
37, 67.025, 345.944



5, 24.407, 341.896

Previews

White Background



This preview shows how the CIELCh color 42, 82.318, 307.505 looks on a white background.

Color Contrast Check

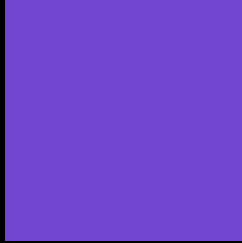
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.318, 307.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

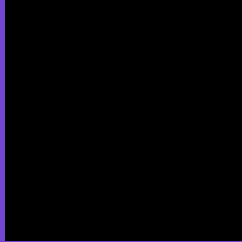
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 82.318, 307.505

Background



This preview shows how black text looks on a background with the CIELCh color 42, 82.318, 307.505.

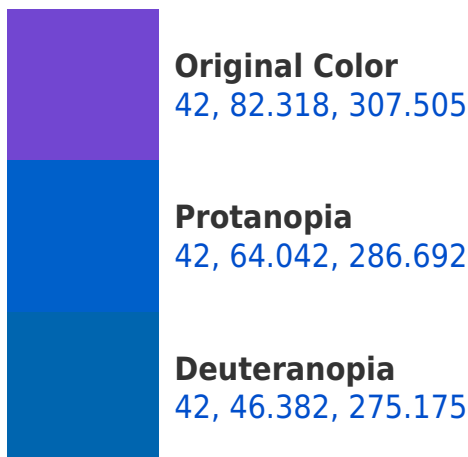


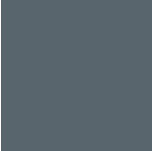
This preview shows how white text looks on a background with the CIELCh color 42, 82.318, 307.505.

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, 6.890, 243.726

Trichromacy



Original Color
42, 82.318, 307.505

Protanomaly
40, 71.151, 293.170

Deuteranomaly
40, 58.951, 288.696

Tritanomaly
41, 33.542, 298.913

Monochromacy



Original Color
42, 82.318, 307.505

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 31.611, 304.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 82.318, 307.505 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(114, 70, 209)` looks like.

```
.text, #text, p{  
    color:rgb(114, 70, 209)  
}
```

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(114, 70, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 70, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 82.318, 307.505 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(114, 70, 209) }
```

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

```
.border{ border-color:rgb(114, 70, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 70, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 70, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 70, 209);  
box-shadow:4px 4px 4px 4px rgb(114, 70,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 82.318, 307.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 70, 209) }
```

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

```
.background{ background-color: rgb(114, 70,  
209) }
```

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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