

Converting Colors

CIELCh(42, 82.607, 326.867)

Have a look what the booklet for
CIELCh(42, 82.607, 326.867)
contains.

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Color

CIELCh(42, 82.607, 326.867)

Conversions

Conversions Part 1

Format	Color
Hex	AA1DAF
RGB	170, 29, 175
RGB Percent	67%, 11%, 69%
CMY	0.3337, 0.8868, 0.3141
CMYK	0.03, 0.83, 0.00, 0.31
HSL	298°, 72%, 40%
HSV	298°, 83%, 69%
XYZ	24.7239, 12.5000, 41.6233
YIQ	87.8030, 37.1700, 75.2980

Conversions

Conversions Part 2

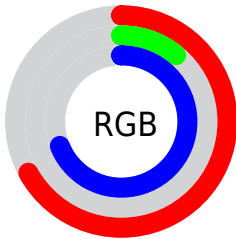
Format	Color
R_{YB}	170, 29, 175
Decimal	11148719
CIE _{Lab}	42.00, 69.18, -45.15
CIE _{LCh}	42, 82.607, 326.867
Yxy	12.5000, 0.3136, 0.1585
Android (android.graphics.Color)	4289338799 (0xFFAA1DAF)
YUV	87.8030, 42.9881, 72.0868
Hunter-Lab	35.3553, 62.9527, -45.0525

Details

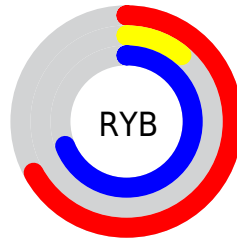
The CIELCh color $42, 82.607, 326.867$ is a dark color, and the websafe version is hex 990099 . A complement of this color would be $63, 84.552, 136.593$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 82.639, 326.977$, and $26, 67.253, 325.454$ is the 20% darker color. If you saturate the color by 10%, you get $41, 85.892, 326.905$, and if you desaturate by 10%, it is $44, 77.133, 326.718$.

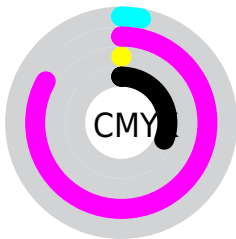
Distribution



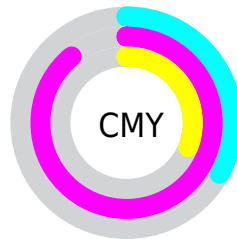
- Red (67%)
- Green (11%)
- Blue (69%)



- Red (67%)
- Yellow (11%)
- Blue (69%)



- Cyan (3%)
- Magenta (83%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (89%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 82.607, 326.867 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, 82.607, 326.867 by changing the saturation by 10% instead.

 42, 82.607,
326.867

 42, 82.607,
326.867


 100, 82.607,
326.867

 32, 82.607,
326.867

 62, 82.607,
326.867


 22, 82.607,
326.867

 72, 82.607,
326.867

 12, 82.607,
326.867

 82, 82.607,
326.867

 2, 82.607, 326.867

 92, 82.607,
326.867

 0, 82.607, 326.867

 42, 82.607,

 42, 82.607,

326.867

■ 41, 85.892,
326.905

■ 40, 87.251,
326.890

326.867

■ 44, 77.133,
326.718

■ 46, 69.635,
326.464

■ 49, 60.477,
326.119

■ 53, 50.108,
325.702

■ 57, 38.960,
325.234

■ 61, 27.395,
324.732

■ 65, 15.689,
324.211

■ 70, 4.039, 323.651

Harmonies

Complementary

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



42, 82.607, 326.867



63, 84.552, 136.593

Rectangle

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



42, 82.607, 326.867



42, 82.607, 16.867



42, 82.607, 146.867



42, 82.607, 196.867

Sweetspot

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



42, 82.605, 326.867



76, 36.027, 324.831



26, 86.638, 303.111



39, 24.764, 325.005



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 82.605, 326.867



53, 105.999, 326.867



40, 62.031, 352.128



34, 6.521, 323.987



35, 78.087, 326.906



2, 13.635, 323.089

Inverse Universe

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



38, 67.102, 32.850



47, 94.368, 38.926



63, 62.752, 150.353



34, 3.818, 17.134



31, 68.737, 38.068



2, 7.812, 17.079

Previews

White Background



This preview shows how the CIELCh color 42, 82.607, 326.867 looks on a white background.

Color Contrast Check

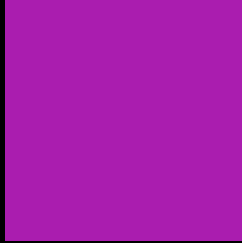
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.607, 326.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

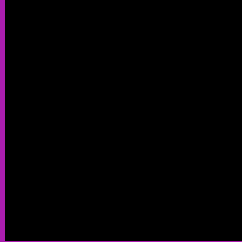
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 82.607, 326.867

Background



This preview shows how black text looks on a background with the CIELCh color 42, 82.607, 326.867.

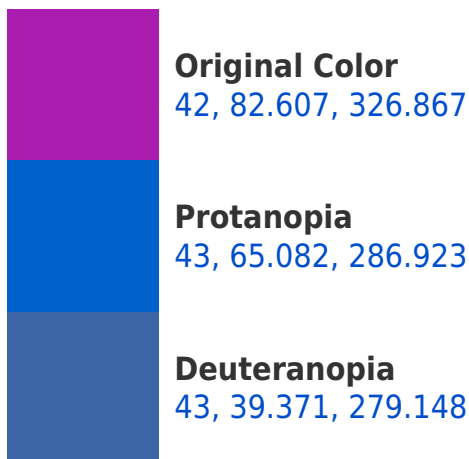


This preview shows how white text looks on a background with the CIELCh color 42, 82.607, 326.867.

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, 39.437, 21.804

Trichromacy



Original Color
42, 82.607, 326.867

Protanomaly
37, 74.218, 298.790

Deuteranomaly
39, 57.590, 304.817

Tritanomaly
41, 50.465, 349.368

Monochromacy



Original Color
42, 82.607, 326.867

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 38.071, 325.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 82.607, 326.867 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(170, 29, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 29, 175)  
}
```

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(170, 29, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 29, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 82.607, 326.867 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(170, 29, 175) }
```

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

```
.border{ border-color:rgb(170, 29, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 29, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 29, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 29, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 29,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 82.607, 326.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 29, 175) }
```

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

```
.background{ background-color: rgb(170, 29,  
175) }
```

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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