

Converting Colors

CIELCh(42, 75.681, 330.355)

Have a look what the booklet for
CIELCh(42, 75.681, 330.355)
contains.

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Color

CIELCh(42, 75.808, 330.339)

Conversions

Conversions Part 1

Format	Color
Hex	AB23A2
RGB	171, 35, 162
RGB Percent	67%, 14%, 64%
CMY	0.3289, 0.8620, 0.3642
CMYK	0.00, 0.79, 0.05, 0.33
HSL	304°, 66%, 40%
HSV	304°, 79%, 67%
XYZ	23.9648, 12.5000, 35.3932
YIQ	90.1420, 40.2890, 68.3290

Conversions

Conversions Part 2

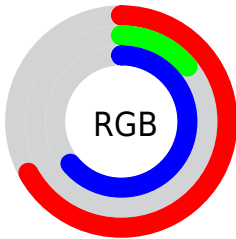
Format	Color
R_{YB}	171, 35, 162
Decimal	11215778
CIE _{Lab}	42.00, 65.87, -37.51
CIE _{LCh}	42, 75.808, 330.339
Yxy	12.5000, 0.3335, 0.1740
Android (android.graphics.Color)	4289405858 (0xFFAB23A2)
YUV	90.1420, 35.4260, 70.9125
Hunter-Lab	35.3553, 59.1201, -34.6047

Details

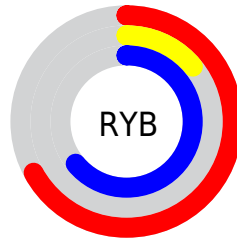
The CIELCh color **42, 75.808, 330.339** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **61, 78.817, 138.538**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.756, 330.542**, and **26, 62.144, 329.614** is the 20% darker color. If you saturate the color by 10%, you get **41, 79.454, 330.697**, and if you desaturate by 10%, it is **44, 70.051, 329.936**.

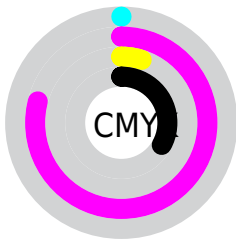
Distribution



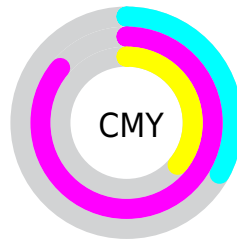
- Red (67%)
- Green (14%)
- Blue (64%)



- Red (67%)
- Yellow (14%)
- Blue (64%)



- Cyan (0%)
- Magenta (79%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (86%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 75.808, 330.339 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, 75.808, 330.339 by changing the saturation by 10% instead.


 42, 75.808,
330.339


 42, 75.808,
330.339


 100, 75.808,
330.339


 32, 75.808,
330.339

 62, 75.808,
330.339


 22, 75.808,
330.339

 72, 75.808,
330.339

 12, 75.808,
330.339

 82, 75.808,
330.339

 2, 75.808, 330.339

 92, 75.808,
330.339

 0, 75.808, 330.339

 42, 75.808,

 42, 75.808,

330.339

■ 41, 79.454,
330.697

■ 40, 81.302,
331.023

■ 40, 81.395,
331.041

330.339

■ 44, 70.051,
329.936

■ 47, 62.435,
329.486

■ 50, 53.355,
328.992

■ 53, 43.250,
328.464

■ 57, 32.519,
327.913

■ 61, 21.485,
327.349

■ 66, 10.387,
326.775

■ 70, 0.609, 146.644

■ 75, 11.398,
145.725

Harmonies

Complementary

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



42, 75.808, 330.339



61, 78.817, 138.538

Rectangle

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



42, 75.808, 330.339



42, 75.808, 20.339



42, 75.808, 150.339



42, 75.808, 200.339

Sweetspot

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



42, 75.806, 330.339



75, 32.781, 327.632



26, 84.683, 304.078



38, 22.689, 327.827



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 75.806, 330.339



52, 98.046, 330.933



39, 57.557, 358.656



34, 6.299, 326.768



35, 74.074, 331.010



2, 12.972, 327.145

Inverse Universe

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



42, 75.806, 330.339



52, 98.046, 330.933



62, 54.061, 156.291



34, 6.299, 326.768



35, 74.074, 331.010



2, 12.972, 327.145

Previews

White Background



This preview shows how the CIELCh color 42, 75.808, 330.339 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, 75.808, 330.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

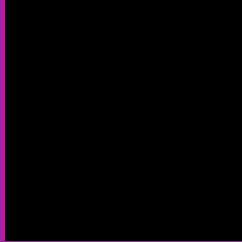
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 75.808, 330.339

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.808, 330.339.

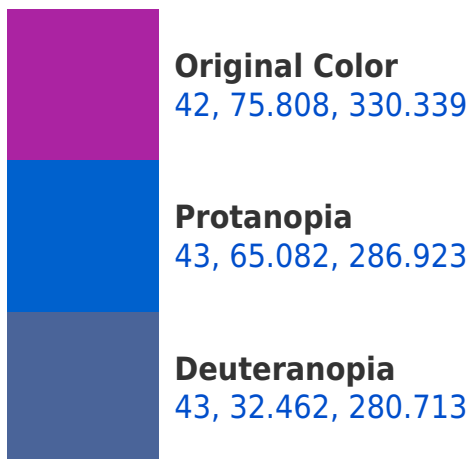


This preview shows how white text looks on a background with the CIELCh color 42, 75.808, 330.339.

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, 41.766, 22.553

Trichromacy



Original Color
42, 75.808, 330.339



Protanomaly
37, 69.454, 297.534



Deuteranomaly
39, 49.773, 308.952



Tritanomaly
41, 49.303, 354.048

Monochromacy



Original Color
42, 75.808, 330.339



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 33.830, 328.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 75.808, 330.339 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(171, 35, 162)` looks like.

```
.text, #text, p{  
    color:rgb(171, 35, 162)  
}
```

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(171, 35, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 35, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.808, 330.339 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(171, 35, 162) }
```

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

```
.border{ border-color:rgb(171, 35, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 35, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 35, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 35, 162);  
box-shadow:4px 4px 4px 4px rgb(171, 35,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.808, 330.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 35, 162) }
```

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

```
.background{ background-color: rgb(171, 35,  
162) }
```

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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