

Converting Colors

CIELCh(42, 78.634, 337.625)

Have a look what the booklet for
CIELCh(42, 78.634, 337.625)
contains.

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Color

CIELCh(42, 78.389, 337.506)

Conversions

Conversions Part 1

Format	Color
Hex	B90096
RGB	185, 0, 150
RGB Percent	73%, 0%, 59%
CMY	0.2748, 1.0000, 0.4120
CMYK	0.00, 1.00, 0.19, 0.27
HSL	311°, 100%, 36%
HSV	311°, 100%, 73%
XYZ	25.4868, 12.5000, 29.8955
YIQ	72.4150, 62.1100, 85.8700

Conversions

Conversions Part 2

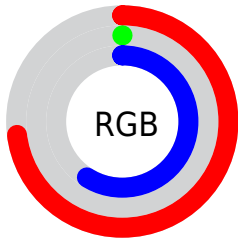
Format	Color
R_{YB}	185, 0, 150
Decimal	12124310
CIE _{Lab}	42.00, 72.43, -29.99
CIE _{LCh}	42, 78.389, 337.506
Yxy	12.5000, 0.3755, 0.1841
Android (android.graphics.Color)	4290314390 (0xFFB90096)
YUV	72.4150, 38.2494, 98.7370
Hunter-Lab	35.3553, 66.8044, -25.3853

Details

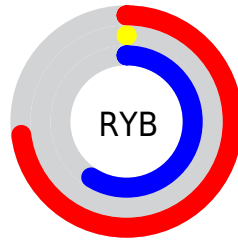
The CIELCh color **42, 78.389, 337.506** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 88.965, 138.340**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.509, 337.382**, and **28, 58.440, 338.997** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.364, 337.508**, and if you desaturate by 10%, it is **43, 77.229, 336.536**.

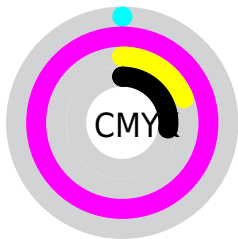
Distribution



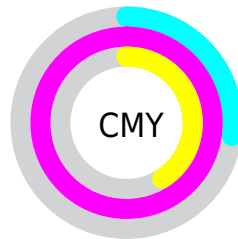
- Red (73%)
- Green (0%)
- Blue (59%)



- Red (73%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 78.389, 337.506 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, 78.389, 337.506 by changing the saturation by 10% instead.


 42, 78.389,
337.506


 42, 78.389,
337.506


 100, 78.389,
337.506

 32, 78.389,
337.506

 62, 78.389,
337.506

 22, 78.389,
337.506

 72, 78.389,
337.506

 12, 78.389,
337.506

 82, 78.389,
337.506

 2, 78.389, 337.506

 92, 78.389,
337.506

 0, 78.389, 337.506

 42, 78.389,

 42, 78.389,

337.506

337.506

■ 42, 78.364,
337.508

■ 43, 77.229,
336.536

■ 44, 74.193,
335.658

■ 46, 68.903,
334.862

■ 49, 61.632,
334.117

■ 53, 52.822,
333.404

■ 57, 42.949,
332.713

■ 61, 32.439,
332.040

■ 65, 21.630,
331.383

■ 70, 10.764,
330.738

Harmonies

Complementary

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



42, 78.389, 337.506



66, 88.965, 138.340

Rectangle

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



42, 78.389, 337.506



42, 78.389, 27.506



42, 78.389, 157.506



42, 78.389, 207.506

Sweetspot

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



42, 78.364, 337.508



77, 40.045, 332.072



23, 103.743, 307.123



39, 27.246, 332.352



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 78.364, 337.508



54, 94.974, 337.693



39, 68.359, 19.595



36, 6.060, 330.695



35, 69.091, 337.360



3, 15.547, 333.350

Inverse Universe

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



42, 78.364, 337.508



54, 94.974, 337.693



67, 56.661, 160.556



36, 6.060, 330.695



35, 69.091, 337.360



3, 15.547, 333.350

Previews

White Background



This preview shows how the CIELCh color 42, 78.389, 337.506 looks on a white background.

Color Contrast Check

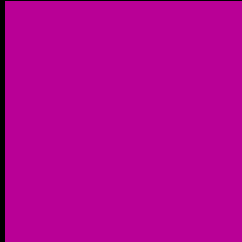
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.389, 337.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

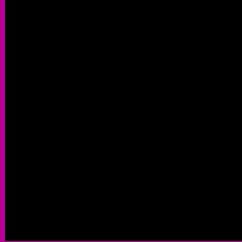
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 78.389, 337.506

Background



This preview shows how black text looks on a background with the CIELCh color 42, 78.389, 337.506.



This preview shows how white text looks on a background with the CIELCh color 42, 78.389, 337.506.

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



Original Color

42, 78.389, 337.506

Protanopia

43, 66.119, 287.146

Deuteranopia

43, 24.814, 285.054



Tritanopia
43, 54.556, 27.542

Trichromacy



Original Color
42, 78.389, 337.506

Protanomaly
34, 76.551, 301.682

Deuteranomaly
38, 51.901, 319.495

Tritanomaly
41, 59.274, 3.334

Monochromacy



Original Color
42, 78.389, 337.506

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 41.012, 334.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 78.389, 337.506 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(185, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 150)  
}
```

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(185, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 78.389, 337.506 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(185, 0, 150) }
```

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

```
.border{ border-color:rgb(185, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(185, 0,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 78.389, 337.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 150) }
```

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

```
.background{ background-color: rgb(185, 0,  
150) }
```

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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