

Converting Colors

CIELCh(42, 78.709, 337.045)

Have a look what the booklet for
CIELCh(42, 78.709, 337.045)
contains.

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Color

CIELCh(42, 78.708, 337.186)

Conversions

Conversions Part 1

Format	Color
Hex	B90097
RGB	185, 0, 151
RGB Percent	73%, 0%, 59%
CMY	0.2754, 1.0000, 0.4086
CMYK	0.00, 1.00, 0.18, 0.28
HSL	311°, 100%, 36%
HSV	311°, 100%, 72%
XYZ	25.5165, 12.5000, 30.2611
YIQ	72.5290, 61.7890, 86.1810

Conversions

Conversions Part 2

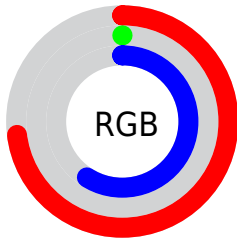
Format	Color
R_{YB}	185, 0, 151
Decimal	12124311
CIE _{Lab}	42.00, 72.55, -30.52
CIE _{LCh}	42, 78.708, 337.186
Yxy	12.5000, 0.3737, 0.1831
Android (android.graphics.Color)	4290314391 (0xFFB90097)
YUV	72.5290, 38.6862, 98.6371
Hunter-Lab	35.3553, 66.9546, -25.9983

Details

The CIELCh color **42, 78.708, 337.186** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **66, 89.136, 138.234**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.831, 337.085**, and **28, 58.769, 338.523** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.633, 337.191**, and if you desaturate by 10%, it is **43, 77.475, 336.253**.

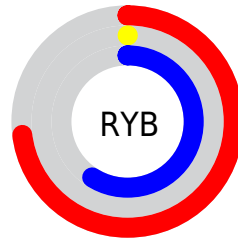
Distribution



Red (73%)

Green (0%)

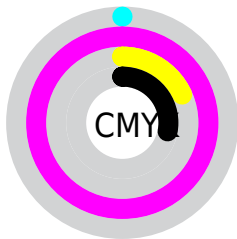
Blue (59%)



Red (73%)

Yellow (0%)

Blue (59%)

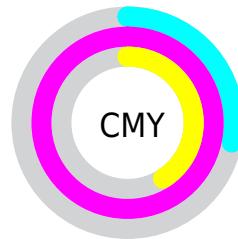


Cyan (0%)

Magenta (100%)

Yellow (18%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 78.708, 337.186 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, 78.708, 337.186 by changing the saturation by 10% instead.

 42, 78.708,
337.186


 42, 78.708,
337.186

 100, 78.708,
337.186

 32, 78.708,
337.186

 62, 78.708,
337.186

 22, 78.708,
337.186

 72, 78.708,
337.186

 12, 78.708,
337.186

 82, 78.708,
337.186

 2, 78.708, 337.186

 92, 78.708,
337.186

 0, 78.708, 337.186

 42, 78.708,

 42, 78.708,

337.186

337.186

■ 42, 78.633,
337.191

■ 43, 77.475,
336.253

■ 44, 74.418,
335.403

■ 46, 69.106,
334.627

■ 49, 61.813,
333.897

■ 53, 52.978,
333.195

■ 57, 43.077,
332.513

■ 61, 32.538,
331.846

■ 65, 21.696,
331.194

■ 70, 10.798,
330.553

Harmonies

Complementary

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



42, 78.708, 337.186



66, 89.136, 138.234

Rectangle

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



42, 78.708, 337.186



42, 78.708, 27.186



42, 78.708, 157.186



42, 78.708, 207.186

Sweetspot

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



42, 78.633, 337.191



77, 40.192, 331.878



23, 103.682, 307.123



39, 27.346, 332.156



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, 78.633, 337.191



54, 95.361, 337.370



39, 68.318, 19.591



36, 6.083, 330.510



35, 69.365, 337.050



3, 15.627, 333.075

Inverse Universe

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



42, 78.633, 337.191



54, 95.361, 337.370



67, 56.627, 160.557



36, 6.083, 330.510



35, 69.365, 337.050



3, 15.627, 333.075

Previews

White Background



This preview shows how the CIELCh color 42, 78.708, 337.186 looks on a white background.

Color Contrast Check

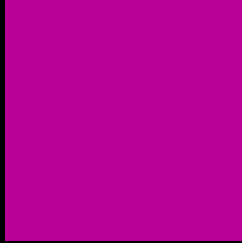
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.708, 337.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

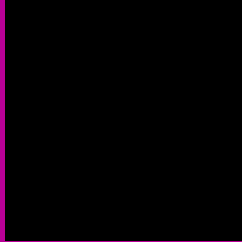
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 78.708, 337.186

Background



This preview shows how black text looks on a background with the CIELCh color 42, 78.708, 337.186.



This preview shows how white text looks on a background with the CIELCh color 42, 78.708, 337.186.

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, 78.708, 337.186

Protanopia

43, 66.119, 287.146

Deuteranopia

43, 24.854, 284.317



Tritanopia
43, 53.923, 26.878

Trichromacy



Original Color
42, 78.708, 337.186



Protanomaly
34, 76.551, 301.682



Deuteranomaly
38, 52.339, 318.834



Tritanomaly
41, 59.047, 2.482

Monochromacy



Original Color
42, 78.708, 337.186



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 41.424, 333.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 78.708, 337.186 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 78.708, 337.186 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, 151) }
```

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

```
.border{ border-color:rgb(185, 0, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(185, 0,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 78.708, 337.186 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, 151) }
```

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

```
.background{ background-color: rgb(185, 0,  
151) }
```

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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