

# Converting Colors

CIELCh(80, 42.959, 322.875)

Have a look what the booklet for  
CIELCh(80, 42.959, 322.875)  
contains.

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# Color

**CIELCh(80, 42.978, 323.091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B1F7
RGB	240, 177, 247
RGB Percent	94%, 69%, 97%
CMY	0.0588, 0.3059, 0.0314
CMYK	0.03, 0.28, 0.00, 0.03
HSL	294°, 81%, 83%
HSV	294°, 28%, 97%
XYZ	68.4418, 56.6813, 95.3240
YIQ	203.8170, 15.0780, 35.1260

# Conversions

## Conversions Part 2

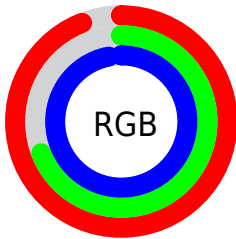
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 177, 247
Decimal	15774199
CIE Lab	80.00, 34.36, -25.81
CIE LCh	80, 42.978, 323.091
Yxy	56.6813, 0.3105, 0.2571
Android (android.graphics.Color)	4293964279 (0xFFFF0B1F7)
YUV	203.8170, 21.2892, 31.7325
Hunter-Lab	75.2870, 30.5184, -22.3687

# Details

The CIELCh color  $80, 42.978, 323.091$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $92, 42.726, 140.010$ , and the grayscale version is  $82, 0.010, 296.813$ .

A 20% lighter version of the original color is  $95, 13.736, 324.896$ , and  $60, 42.446, 323.183$  is the 20% darker color. If you saturate the color by 10%, you get  $74, 57.910, 323.551$ , and if you desaturate by 10%, it is  $86, 27.755, 322.604$ .

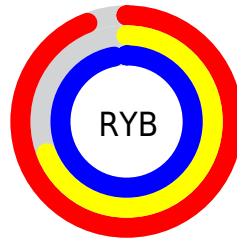
# Distribution



Red (94%)

Green (69%)

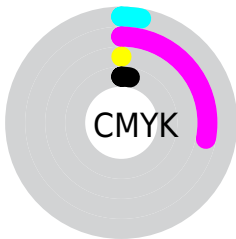
Blue (97%)



Red (94%)

Yellow (69%)

Blue (97%)

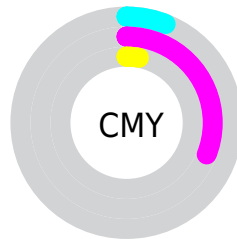


Cyan (3%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (6%)

Magenta (31%)


Yellow (3%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.978, 323.091 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 80, 42.978, 323.091 by changing the saturation by 10% instead.





 80, 42.978,  
323.091


 80, 42.978,  
323.091


 100, 42.978,  
323.091


 70, 42.978,  
323.091

 60, 42.978,  
323.091

 50, 42.978,  
323.091

 40, 42.978,  
323.091

 30, 42.978,  
323.091

 20, 42.978,  
323.091

 10, 42.978,

323.091

0, 42.978, 323.091

80, 42.978,  
323.091

80, 42.978,  
323.091

74, 57.910,  
323.551

86, 27.755,  
322.604

69, 72.143,  
323.961

92, 12.545,  
322.100

65, 85.128,  
324.296

98, 2.463, 141.747

61, 96.230,  
324.525

99, 4.455, 133.726

100, 4.167,  
122.837

58, 104.825,  
324.619

100, 4.050,  
110.785

■ 56, 110.479,  
324.555

■ 100, 4.048,  
109.857

■ 54, 113.255,  
324.332

■ 54, 113.587,  
324.288

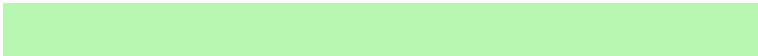
# Harmonies

# Complementary

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



80, 42.978, 323.091



92, 42.726, 140.010

# Rectangle

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



80, 42.978, 323.091



80, 42.978, 13.091



80, 42.978, 143.091



80, 42.978, 193.091

# Sweetspot

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



80, 42.975, 323.091



94, 13.901, 322.135



76, 33.936, 289.521



49, 9.669, 322.209



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



80, 42.975, 323.091



79, 52.836, 323.358



80, 33.583, 340.964



48, 8.495, 322.159



41, 91.842, 324.354



10, 40.784, 324.856



# Inverse Universe

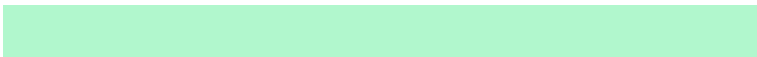
The Inverse Universe completely reimagines the original color for something new.



79, 27.282, 14.043



78, 34.144, 14.880



92, 32.906, 156.174



48, 5.114, 11.879



39, 78.305, 35.869



8, 30.438, 20.962



# Previews

## White Background



This preview shows how the CIELCh color 80, 42.978, 323.091 looks on a white background.

## Color Contrast Check

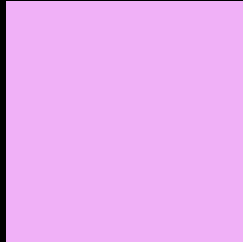
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 80, 42.978, 323.091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

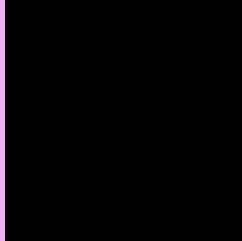
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 42.978, 323.091

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.978, 323.091.



This preview shows how white text looks on a background with the CIELCh color 80, 42.978, 323.091.

# 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**  
80, 19.057, 358.166

# Trichromacy



**Original Color**  
80, 42.978, 323.091



**Protanomaly**  
80, 33.516, 300.873



**Deuteranomaly**  
80, 31.532, 306.903



**Tritanomaly**  
80, 26.338, 338.453

# Monochromacy



**Original Color**  
80, 42.978, 323.091



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
81, 16.151, 321.829

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 42.978, 323.091 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(240, 177, 247)` looks like.

```
.text, #text, p{  
    color:rgb(240, 177, 247)  
}
```

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(240, 177, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 177, 247) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 42.978, 323.091 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(240, 177, 247) }
```

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

```
.border{ border-color:rgb(240, 177, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 177, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 177, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 177, 247);  
box-shadow:4px 4px 4px 4px rgb(240, 177,  
247) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 42.978, 323.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 177, 247) }
```

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

```
.background{ background-color: rgb(240,  
177, 247) }
```

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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