

Converting Colors

CIELCh(42, 78.513, 323.192)

Have a look what the booklet for
CIELCh(42, 78.513, 323.192)
contains.

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Color

CIELCh(42, 78.361, 323.161)

Conversions

Conversions Part 1

Format	Color
Hex	9F2EB2
RGB	159, 46, 178
RGB Percent	62%, 18%, 70%
CMY	0.3771, 0.8203, 0.3026
CMYK	0.11, 0.74, 0.00, 0.30
HSL	291°, 59%, 44%
HSV	291°, 74%, 70%
XYZ	23.2526, 12.5000, 43.2185
YIQ	94.8350, 24.9760, 65.0080

Conversions

Conversions Part 2

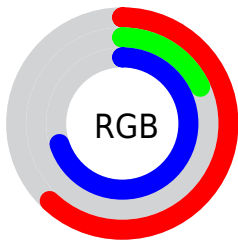
Format	Color
R_{YB}	159, 46, 178
Decimal	10432178
CIE _{Lab}	42.00, 62.71, -46.98
CIE _{LCh}	42, 78.361, 323.161
Yxy	12.5000, 0.2944, 0.1583
Android (android.graphics.Color)	4288622258 (0xFF9F2EB2)
YUV	94.8350, 41.0003, 56.2727
Hunter-Lab	35.3553, 55.5244, -47.7276

Details

The CIELCh color **42, 78.361, 323.161** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **64, 78.126, 135.610**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 78.424, 323.297**, and **25, 68.706, 321.999** is the 20% darker color. If you saturate the color by 10%, you get **40, 84.213, 323.128**, and if you desaturate by 10%, it is **45, 70.481, 323.032**.

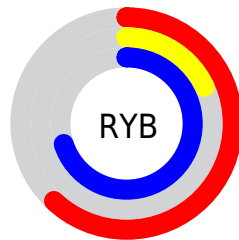
Distribution



Red (62%)

Green (18%)

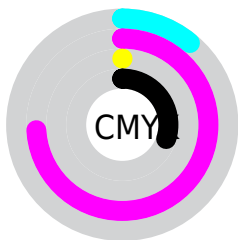
Blue (70%)



Red (62%)

Yellow (18%)

Blue (70%)

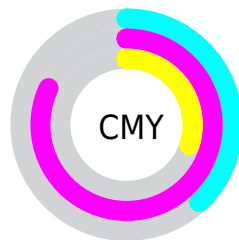


Cyan (11%)

Magenta (74%)

Yellow (0%)

Black (30%)



Cyan (38%)


Magenta (82%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 78.361, 323.161 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, 78.361, 323.161 by changing the saturation by 10% instead.


 42, 78.361,
323.161


 42, 78.361,
323.161


 100, 78.361,
323.161


 32, 78.361,
323.161

 62, 78.361,
323.161


 22, 78.361,
323.161

 72, 78.361,
323.161

 12, 78.361,
323.161

 82, 78.361,
323.161

 2, 78.361, 323.161

 92, 78.361,
323.161

 0, 78.361, 323.161

 42, 78.361,

 42, 78.361,

323.161

■ 40, 84.213,
323.128

■ 38, 87.784,
322.910

■ 38, 89.192,
322.733

323.161

■ 45, 70.481,
323.032

■ 48, 61.028,
322.776

■ 52, 50.492,
322.426

■ 56, 39.306,
322.014

■ 61, 27.813,
321.567

■ 66, 16.257,
321.101

■ 70, 4.804, 320.611

■ 75, 6.441, 140.237

■ 80, 17.417,
139.787

Harmonies

Complementary

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



42, 78.361, 323.161



64, 78.126, 135.610

Rectangle

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



42, 78.361, 323.161



42, 78.361, 13.161



42, 78.361, 143.161



42, 78.361, 193.161

Sweetspot

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



42, 78.359, 323.161



79, 31.322, 321.481



33, 69.593, 297.380



41, 21.234, 321.604



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 78.359, 323.161



51, 105.842, 323.013



43, 62.504, 343.595



35, 6.463, 320.867



32, 79.815, 322.795



2, 15.246, 318.552

Inverse Universe

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



41, 57.609, 21.538



50, 83.264, 28.747



64, 63.687, 147.844



35, 3.975, 8.364



31, 65.333, 32.538



2, 9.294, 10.242

Previews

White Background



This preview shows how the CIELCh color 42, 78.361, 323.161 looks on a white background.

Color Contrast Check

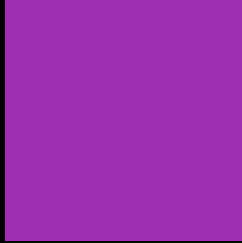
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.361, 323.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

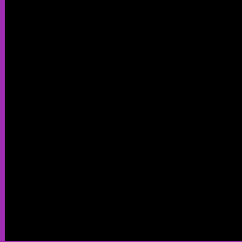
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 78.361, 323.161

Background



This preview shows how black text looks on a background with the CIELCh color 42, 78.361, 323.161.



This preview shows how white text looks on a background with the CIELCh color 42, 78.361, 323.161.

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, 78.361, 323.161

Protanopia
42, 65.153, 287.138

Deuteranopia
43, 41.919, 278.673



Tritanopia
42, 30.074, 18.535

Trichromacy



Original Color
42, 78.361, 323.161



Protanomaly
38, 70.411, 296.489



Deuteranomaly
40, 55.355, 300.351



Tritanomaly
41, 42.946, 342.888

Monochromacy



Original Color
42, 78.361, 323.161



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 33.002, 322.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 78.361, 323.161 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(159, 46, 178)` looks like.

```
.text, #text, p{  
    color:rgb(159, 46, 178)  
}
```

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(159, 46, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 46, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 78.361, 323.161 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(159, 46, 178) }
```

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

```
.border{ border-color:rgb(159, 46, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 46, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 46, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 46, 178);  
box-shadow:4px 4px 4px 4px rgb(159, 46,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 78.361, 323.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 46, 178) }
```

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

```
.background{ background-color: rgb(159, 46,  
178) }
```

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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