

Converting Colors

CIELCh(42, 90.678, 322.466)

Have a look what the booklet for
CIELCh(42, 90.678, 322.466)
contains.

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Color

CIELCh(42, 90.739, 322.479)

Conversions

Conversions Part 1

Format	Color
Hex	A519C0
RGB	165, 25, 192
RGB Percent	65%, 10%, 75%
CMY	0.3529, 0.9019, 0.2471
CMYK	0.14, 0.87, 0.00, 0.25
HSL	290°, 77%, 43%
HSV	290°, 87%, 75%
XYZ	25.3785, 12.5000, 50.9435
YIQ	85.8980, 29.8330, 81.6170

Conversions

Conversions Part 2

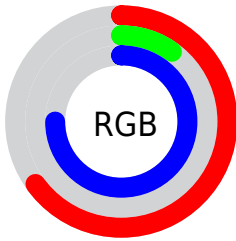
Format	Color
R_{YB}	165, 25, 192
Decimal	10820032
CIE _{Lab}	42.00, 71.97, -55.26
CIE _{LCh}	42, 90.739, 322.479
Yxy	12.5000, 0.2857, 0.1407
Android (android.graphics.Color)	4289010112 (0xFFA519C0)
YUV	85.8980, 52.3083, 69.3725
Hunter-Lab	35.3553, 66.2576, -60.6823

Details

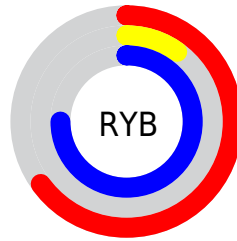
The CIELCh color **42, 90.739, 322.479** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **68, 90.873, 134.923**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 90.791, 322.555**, and **27, 74.278, 320.474** is the 20% darker color. If you saturate the color by 10%, you get **41, 93.892, 322.165**, and if you desaturate by 10%, it is **44, 85.172, 322.594**.

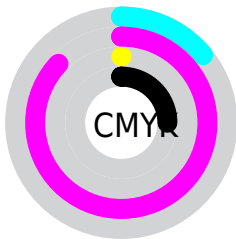
Distribution



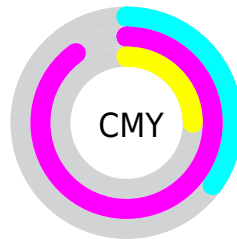
- Red (65%)
- Green (10%)
- Blue (75%)



- Red (65%)
- Yellow (10%)
- Blue (75%)



- Cyan (14%)
- Magenta (87%)
- Yellow (0%)
- Black (25%)





- Cyan (35%)
- Magenta (90%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 90.739, 322.479 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, 90.739, 322.479 by changing the saturation by 10% instead.


 42, 90.739,
322.479


 42, 90.739,
322.479


 100, 90.739,
322.479


 32, 90.739,
322.479

 62, 90.739,
322.479


 22, 90.739,
322.479

 72, 90.739,
322.479

 12, 90.739,
322.479

 82, 90.739,
322.479

 2, 90.739, 322.479

 92, 90.739,
322.479

 0, 90.739, 322.479

 42, 90.739,

 42, 90.739,

322.479

■ 41, 93.892,
322.165

■ 40, 94.640,
322.056

322.479

■ 44, 85.172,
322.594

■ 47, 77.326,
322.527

■ 51, 67.660,
322.314

■ 55, 56.710,
321.993

■ 59, 44.967,
321.600

■ 64, 32.824,
321.164

■ 69, 20.567,
320.706

■ 74, 8.389, 320.234

Harmonies

Complementary

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



42, 90.739, 322.479



68, 90.873, 134.923

Rectangle

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



42, 90.739, 322.479



42, 90.739, 12.479



42, 90.739, 142.479



42, 90.739, 192.479

Sweetspot

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



42, 90.737, 322.479



82, 39.182, 321.139



31, 86.066, 300.363



41, 26.570, 321.295



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 90.737, 322.479



52, 115.417, 321.962



44, 71.693, 344.768



38, 6.882, 320.350



33, 82.910, 322.133



3, 22.346, 319.173

Inverse Universe

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



41, 69.607, 25.930



52, 94.856, 33.205



68, 76.901, 144.730



38, 4.276, 6.992



33, 67.081, 31.583



3, 14.194, 10.647

Previews

White Background



This preview shows how the CIELCh color 42, 90.739, 322.479 looks on a white background.

Color Contrast Check

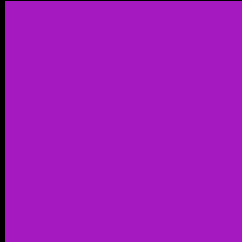
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.739, 322.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

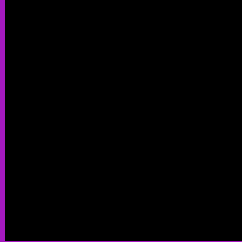
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 90.739, 322.479

Background



This preview shows how black text looks on a background with the CIELCh color 42, 90.739, 322.479.



This preview shows how white text looks on a background with the CIELCh color 42, 90.739, 322.479.

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, 90.739, 322.479

Protanopia

43, 64.528, 286.700

Deuteranopia

43, 49.000, 277.011



Tritanopia
42, 32.861, 19.553

Trichromacy



Original Color
42, 90.739, 322.479



Protanomaly
37, 78.244, 299.210



Deuteranomaly
37, 67.874, 297.219



Tritanomaly
41, 50.186, 341.340

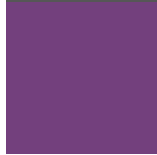
Monochromacy



Original Color
42, 90.739, 322.479



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 41.472, 321.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 90.739, 322.479 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(165, 25, 192)` looks like.

```
.text, #text, p{  
    color:rgb(165, 25, 192)  
}
```

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(165, 25, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 25, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 90.739, 322.479 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(165, 25, 192) }
```

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

```
.border{ border-color:rgb(165, 25, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 25, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 25, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 25, 192);  
box-shadow:4px 4px 4px 4px rgb(165, 25,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 90.739, 322.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 25, 192) }
```

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

```
.background{ background-color: rgb(165, 25,  
192) }
```

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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