

Converting Colors

CIELCh(42, 42.927, 326.741)

Have a look what the booklet for
CIELCh(42, 42.927, 326.741)
contains.

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Color

CIELCh(42, 42.927, 326.741)

Conversions

Conversions Part 1

Format	Color
Hex	8A4C8A
RGB	138, 76, 138
RGB Percent	54%, 30%, 54%
CMY	0.4573, 0.7006, 0.4574
CMYK	0.00, 0.45, 0.00, 0.46
HSL	300°, 29%, 42%
HSV	300°, 45%, 54%
XYZ	17.7685, 12.5000, 25.6635
YIQ	101.6060, 17.0500, 32.4260

Conversions

Conversions Part 2

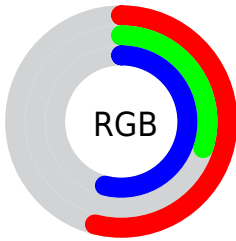
Format	Color
R_{YB}	138, 76, 138
Decimal	9063562
CIE _{Lab}	42.00, 35.90, -23.54
CIE _{LCh}	42, 42.927, 326.741
Yxy	12.5000, 0.3177, 0.2235
Android (android.graphics.Color)	4287253642 (0xFF8A4C8A)
YUV	101.6060, 17.9422, 31.9175
Hunter-Lab	35.3553, 27.8367, -18.2883

Details

The CIELCh color $42, 42.927, 326.741$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 43.053, 141.064$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 43.004, 326.694$, and $22, 43.093, 326.542$ is the 20% darker color. If you saturate the color by 10%, you get $39, 51.438, 327.175$, and if you desaturate by 10%, it is $45, 33.724, 326.261$.

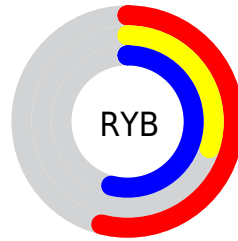
Distribution



Red (54%)

Green (30%)

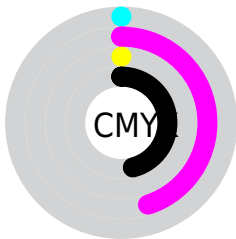
Blue (54%)



Red (54%)

Yellow (30%)

Blue (54%)

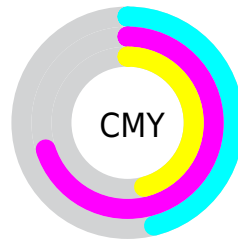


Cyan (0%)

Magenta (45%)

Yellow (0%)

Black (46%)



Cyan (46%)


Magenta (70%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 42.927, 326.741 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, 42.927, 326.741 by changing the saturation by 10% instead.


 42, 42.927,
326.741


 42, 42.927,
326.741


 100, 42.927,
326.741


 32, 42.927,
326.741

 62, 42.927,
326.741


 22, 42.927,
326.741

 72, 42.927,
326.741

 12, 42.927,
326.741

 82, 42.927,
326.741

 2, 42.927, 326.741

 92, 42.927,
326.741

 0, 42.927, 326.741

 42, 42.927,

 42, 42.927,

326.741

326.741

■ 39, 51.438,
327.175

■ 45, 33.724,
326.261

■ 37, 58.916,
327.547

■ 48, 24.132,
325.749

■ 35, 65.015,
327.843

■ 52, 14.386,
325.218

■ 34, 69.463,
328.056

■ 56, 4.655, 324.659

■ 60, 4.942, 144.216

■ 33, 72.194,
328.184

■ 64, 14.333,
143.678

■ 32, 73.343,
328.238

■ 67, 23.474,
143.180

■ 71, 32.342,
142.707

■ 75, 40.933,
142.259

Harmonies

Complementary

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



42, 42.927, 326.741



52, 43.053, 141.064

Rectangle

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



42, 42.927, 326.741



42, 42.927, 16.741



42, 42.927, 146.741



42, 42.927, 196.741

Sweetspot

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



42, 42.925, 326.741



68, 15.704, 325.135



35, 38.605, 296.178



35, 11.084, 325.243



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 42.925, 326.741



51, 63.035, 327.190



41, 31.036, 348.079



27, 5.440, 324.908



31, 71.108, 328.238



0, 2.511, 324.443

Inverse Universe

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



42, 42.925, 326.741



51, 63.035, 327.190



53, 29.519, 159.268



27, 5.440, 324.908



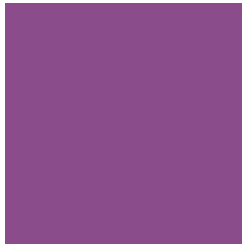
31, 71.108, 328.238



0, 2.511, 324.443

Previews

White Background



This preview shows how the CIELCh color 42, 42.927, 326.741 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, 42.927, 326.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

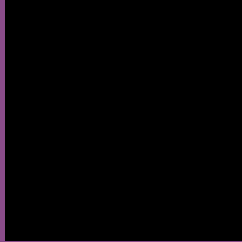
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 42.927, 326.741

Background



This preview shows how black text looks on a background with the CIELCh color 42, 42.927, 326.741.

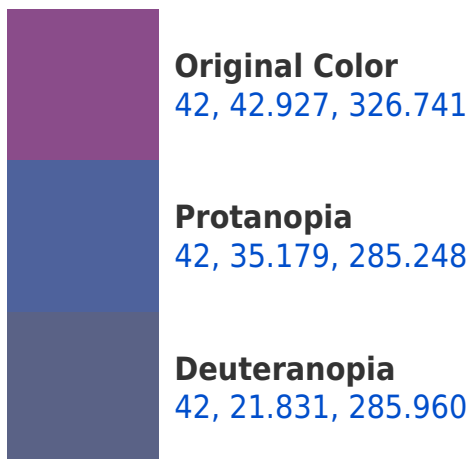


This preview shows how white text looks on a background with the CIELCh color 42, 42.927, 326.741.

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
42, 20.397, 12.392

Trichromacy



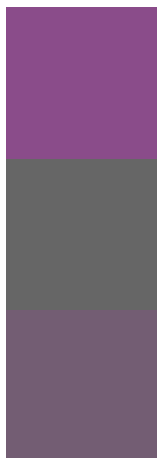
Original Color
42, 42.927, 326.741

Protanomaly
42, 36.567, 300.408

Deuteranomaly
42, 28.727, 307.087

Tritanomaly
42, 26.511, 346.173

Monochromacy



Original Color
42, 42.927, 326.741

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 15.975, 325.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 42.927, 326.741 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(138, 76, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 76, 138)  
}
```

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(138, 76, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 76, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 42.927, 326.741 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(138, 76, 138) }
```

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

```
.border{ border-color:rgb(138, 76, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 76, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 76, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 76, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 76,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 42.927, 326.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 76, 138) }
```

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

```
.background{ background-color: rgb(138, 76,  
138) }
```

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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