

Converting Colors

CIELCh(42, 67.865, 326.162)

Have a look what the booklet for
CIELCh(42, 67.865, 326.162)
contains.

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Color

CIELCh(42, 67.870, 326.162)

Conversions

Conversions Part 1

Format	Color
Hex	9D36A2
RGB	157, 54, 162
RGB Percent	62%, 21%, 64%
CMY	0.3829, 0.7867, 0.3633
CMYK	0.03, 0.67, 0.00, 0.36
HSL	297°, 50%, 42%
HSV	297°, 67%, 64%
XYZ	21.8667, 12.5000, 35.6085
YIQ	97.1090, 26.7200, 55.4240

Conversions

Conversions Part 2

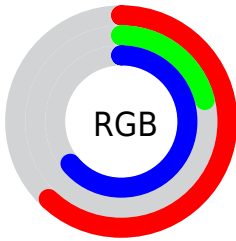
Format	Color
R_{YB}	157, 54, 162
Decimal	10303138
CIE _{Lab}	42.00, 56.37, -37.79
CIE _{LCh}	42, 67.870, 326.162
Yxy	12.5000, 0.3125, 0.1786
Android (android.graphics.Color)	4288493218 (0xFF9D36A2)
YUV	97.1090, 31.9913, 52.5244
Hunter-Lab	35.3553, 48.5276, -34.9657

Details

The CIELCh color $42, 67.870, 326.162$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 68.462, 137.901$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 67.586, 326.196$, and $24, 62.454, 325.522$ is the 20% darker color. If you saturate the color by 10%, you get $40, 74.498, 326.372$, and if you desaturate by 10%, it is $45, 59.595, 325.853$.

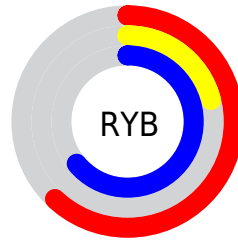
Distribution



Red (62%)

Green (21%)

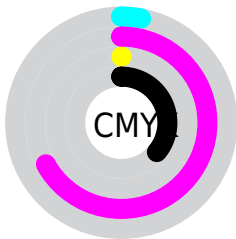
Blue (64%)



Red (62%)

Yellow (21%)

Blue (64%)

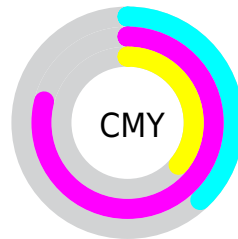


Cyan (3%)

Magenta (67%)

Yellow (0%)

Black (36%)



Cyan (38%)


Magenta (79%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 67.870, 326.162 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, 67.870, 326.162 by changing the saturation by 10% instead.


 42, 67.870,
326.162


 42, 67.870,
326.162


 100, 67.870,
326.162


 32, 67.870,
326.162

 62, 67.870,
326.162


 22, 67.870,
326.162

 72, 67.870,
326.162

 12, 67.870,
326.162

 82, 67.870,
326.162

 2, 67.870, 326.162

 92, 67.870,
326.162

 0, 67.870, 326.162

 42, 67.870,

 42, 67.870,

326.162

■ 40, 74.498,
326.372

■ 38, 79.171,
326.469

■ 37, 81.870,
326.453

■ 37, 82.638,
326.438

326.162

■ 45, 59.595,
325.853

■ 48, 50.091,
325.466

■ 52, 39.771,
325.020

■ 55, 28.988,
324.536

■ 60, 18.020,
324.029

■ 64, 7.063, 323.503

■ 68, 3.747, 143.087

■ 73, 14.328,
142.556

■ 77, 24.630,
142.080

Harmonies

Complementary

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



42, 67.870, 326.162



59, 68.462, 137.901

Rectangle

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



42, 67.870, 326.162



42, 67.870, 16.162



42, 67.870, 146.162



42, 67.870, 196.162

Sweetspot

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



42, 67.868, 326.162



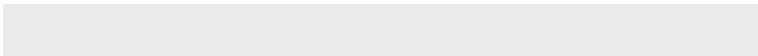
74, 27.129, 324.228



31, 64.373, 299.133



38, 18.665, 324.363



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 67.868, 326.162



51, 93.895, 326.436



41, 51.235, 348.406



32, 6.178, 323.653



33, 76.198, 326.454



1, 9.517, 322.797

Inverse Universe

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



39, 49.829, 25.836



47, 74.678, 31.143



60, 49.737, 153.560



32, 3.632, 16.163



30, 66.464, 37.403



1, 5.478, 15.927

Previews

White Background



This preview shows how the CIELCh color 42, 67.870, 326.162 looks on a white background.

Color Contrast Check

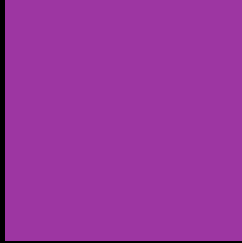
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.870, 326.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

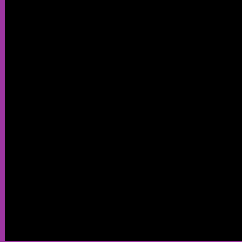
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 67.870, 326.162

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.870, 326.162.



This preview shows how white text looks on a background with the CIELCh color 42, 67.870, 326.162.

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, 67.870, 326.162

Protanopia

42, 63.880, 287.545

Deuteranopia

42, 33.751, 280.192



Tritanopia
42, 30.950, 17.813

Trichromacy



Original Color
42, 67.870, 326.162

Protanomaly
39, 64.796, 296.956

Deuteranomaly
40, 46.013, 303.882

Tritanomaly
41, 40.071, 347.489

Monochromacy



Original Color
42, 67.870, 326.162

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 27.648, 324.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.870, 326.162 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(157, 54, 162)` looks like.

```
.text, #text, p{  
    color:rgb(157, 54, 162)  
}
```

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(157, 54, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 54, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.870, 326.162 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(157, 54, 162) }
```

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

```
.border{ border-color:rgb(157, 54, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 54, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 54, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 54, 162);  
box-shadow:4px 4px 4px 4px rgb(157, 54,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.870, 326.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 54, 162) }
```

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

```
.background{ background-color: rgb(157, 54,  
162) }
```

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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