

Converting Colors

CIELCh(42, 61.900, 335.154)

Have a look what the booklet for
CIELCh(42, 61.900, 335.154)
contains.

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Color

CIELCh(42, 61.959, 335.271)

Conversions

Conversions Part 1

Format	Color
Hex	A6348F
RGB	166, 52, 143
RGB Percent	65%, 20%, 56%
CMY	0.3498, 0.7969, 0.4400
CMYK	0.00, 0.69, 0.14, 0.35
HSL	312°, 52%, 43%
HSV	312°, 69%, 65%
XYZ	21.8460, 12.5000, 27.1735
YIQ	96.4600, 38.7330, 52.4690

Conversions

Conversions Part 2

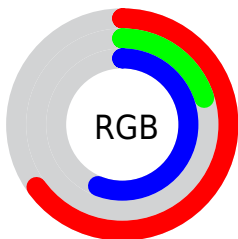
Format	Color
R_{YB}	166, 52, 143
Decimal	10892431
CIE _{Lab}	42.00, 56.28, -25.92
CIE _{LCh}	42, 61.959, 335.271
Yxy	12.5000, 0.3551, 0.2032
Android (android.graphics.Color)	4289082511 (0xFFA6348F)
YUV	96.4600, 22.9442, 60.9866
Hunter-Lab	35.3553, 48.4230, -20.8205

Details

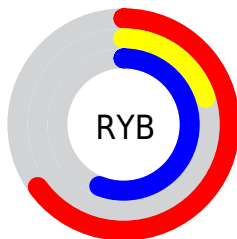
The CIELCh color $42, 61.959, 335.271$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $60, 63.529, 143.638$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 61.753, 335.362$, and $24, 55.059, 335.603$ is the 20% darker color. If you saturate the color by 10%, you get $40, 67.103, 336.096$, and if you desaturate by 10%, it is $45, 55.083, 334.505$.

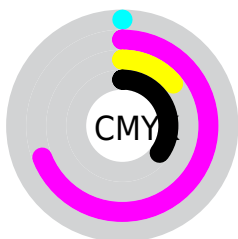
Distribution



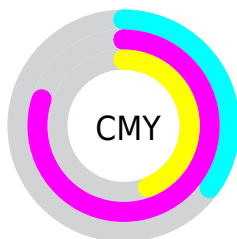
- Red (65%)
- Green (20%)
- Blue (56%)



- Red (65%)
- Yellow (20%)
- Blue (56%)



- Cyan (0%)
- Magenta (69%)
- Yellow (14%)
- Black (35%)





- Cyan (35%)
- Magenta (80%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 61.959, 335.271 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, 61.959, 335.271 by changing the saturation by 10% instead.


 42, 61.959,
335.271


 42, 61.959,
335.271


 100, 61.959,
335.271


 32, 61.959,
335.271

 62, 61.959,
335.271


 22, 61.959,
335.271

 72, 61.959,
335.271

 12, 61.959,
335.271

 82, 61.959,
335.271

 2, 61.959, 335.271

 92, 61.959,
335.271

 0, 61.959, 335.271

 42, 61.959,

 42, 61.959,

335.271

40, 67.103,
336.096

38, 70.236,
337.009

38, 71.561,
338.029

37, 71.698,
338.157

335.271

45, 55.083,
334.505

48, 46.894,
333.777

52, 37.816,
333.075

56, 28.219,
332.396

60, 18.393,
331.737

64, 8.544, 331.088

69, 1.191, 150.739

73, 10.725,
149.958

■ 78, 20.010,
149.393

Harmonies

Complementary

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



42, 61.959, 335.271



60, 63.529, 143.638

Rectangle

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



42, 61.959, 335.271



42, 61.959, 25.271



42, 61.959, 155.271



42, 61.959, 205.271

Sweetspot

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



42, 61.957, 335.271



75, 25.625, 331.909



31, 70.880, 304.959



38, 17.490, 332.083



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 61.957, 335.271



51, 84.450, 336.611



40, 49.606, 7.181



33, 5.589, 331.124



33, 66.021, 338.044



2, 9.698, 332.836

Inverse Universe

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



42, 61.957, 335.271



51, 84.450, 336.611



61, 40.965, 167.930



33, 5.589, 331.124



33, 66.021, 338.044



2, 9.698, 332.836

Previews

White Background



This preview shows how the CIELCh color 42, 61.959, 335.271 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, 61.959, 335.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

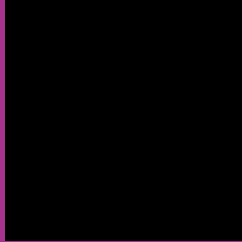
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 61.959, 335.271

Background



This preview shows how black text looks on a background with the CIELCh color 42, 61.959, 335.271.

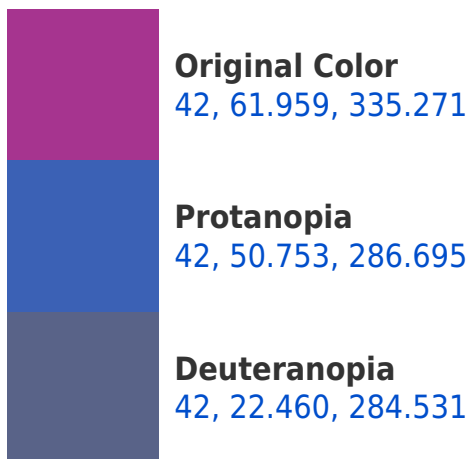


This preview shows how white text looks on a background with the CIELCh color 42, 61.959, 335.271.

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, 39.437, 21.804

Trichromacy



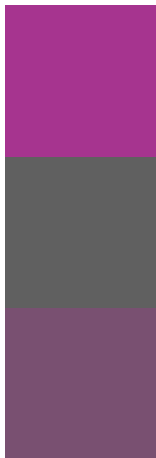
Original Color
42, 61.959, 335.271

Protanomaly
40, 52.484, 302.762

Deuteranomaly
41, 36.233, 315.034

Tritanomaly
42, 43.396, 359.034

Monochromacy



Original Color
42, 61.959, 335.271

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 25.772, 332.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 61.959, 335.271 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(166, 52, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 52, 143)  
}
```

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(166, 52, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 52, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 61.959, 335.271 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(166, 52, 143) }
```

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

```
.border{ border-color:rgb(166, 52, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 52, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 52, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 52, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 52,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 61.959, 335.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 52, 143) }
```

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

```
.background{ background-color: rgb(166, 52,  
143) }
```

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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