

Converting Colors

CIELCh(42, 67.188, 330.837)

Have a look what the booklet for
CIELCh(42, 67.188, 330.837)
contains.

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Color

CIELCh(42, 67.308, 331.005)

Conversions

Conversions Part 1

Format	Color
Hex	A5319A
RGB	165, 49, 154
RGB Percent	65%, 19%, 60%
CMY	0.3534, 0.8084, 0.3965
CMYK	0.00, 0.70, 0.07, 0.35
HSL	306°, 54%, 42%
HSV	306°, 70%, 65%
XYZ	22.4059, 12.5000, 31.7512
YIQ	95.6540, 35.4310, 57.2470

Conversions

Conversions Part 2

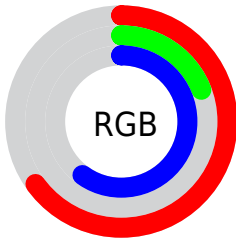
Format	Color
R_{YB}	165, 49, 154
Decimal	10826138
CIE _{Lab}	42.00, 58.87, -32.63
CIE _{LCh}	42, 67.308, 331.005
Yxy	12.5000, 0.3361, 0.1875
Android (android.graphics.Color)	4289016218 (0xFFA5319A)
YUV	95.6540, 28.7646, 60.8164
Hunter-Lab	35.3553, 51.2499, -28.4972

Details

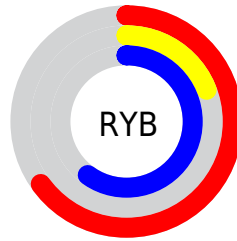
The CIELCh color **42, 67.308, 331.005** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **60, 69.152, 140.398**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 67.673, 330.997**, and **24, 58.904, 330.828** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.606, 331.481**, and if you desaturate by 10%, it is **45, 60.189, 330.501**.

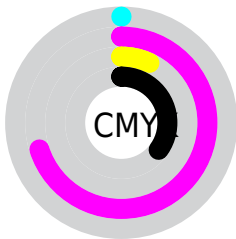
Distribution



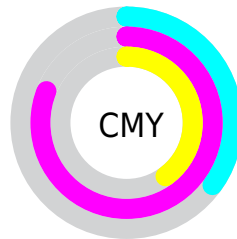
- Red (65%)
- Green (19%)
- Blue (60%)



- Red (65%)
- Yellow (19%)
- Blue (60%)



- Cyan (0%)
- Magenta (70%)
- Yellow (7%)
- Black (35%)





- Cyan (35%)
- Magenta (81%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 67.308, 331.005 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, 67.308, 331.005 by changing the saturation by 10% instead.


 42, 67.308,
331.005


 42, 67.308,
331.005


 100, 67.308,
331.005


 32, 67.308,
331.005

 62, 67.308,
331.005


 22, 67.308,
331.005

 72, 67.308,
331.005

 12, 67.308,
331.005


 82, 67.308,
331.005

 2, 67.308, 331.005

 92, 67.308,
331.005

 0, 67.308, 331.005

 42, 67.308,

 42, 67.308,

331.005

■ 40, 72.606,
331.481

■ 39, 75.861,
331.936

■ 38, 77.459,
332.366

331.005

■ 45, 60.189,
330.501

■ 48, 51.639,
329.968

■ 51, 42.080,
329.412

■ 55, 31.900,
328.840

■ 59, 21.414,
328.261

■ 63, 10.853,
327.677

■ 68, 0.381, 326.497

■ 72, 9.900, 146.613

■ 77, 19.928,
146.073

Harmonies

Complementary

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



42, 67.308, 331.005



60, 69.152, 140.398

Rectangle

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



42, 67.308, 331.005



42, 67.308, 21.005



42, 67.308, 151.005



42, 67.308, 201.005

Sweetspot

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



42, 67.306, 331.005



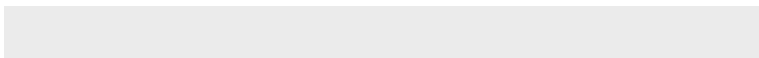
74, 27.335, 328.321



29, 72.713, 302.957



38, 18.472, 328.471



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, 67.306, 331.005



51, 90.589, 331.719



40, 51.236, 358.582



32, 5.873, 327.611



33, 70.673, 332.318



1, 8.915, 327.968

Inverse Universe

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



42, 67.306, 331.005



51, 90.589, 331.719



61, 46.496, 159.933



32, 5.873, 327.611



33, 70.673, 332.318



1, 8.915, 327.968

Previews

White Background



This preview shows how the CIELCh color 42, 67.308, 331.005 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, 67.308, 331.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

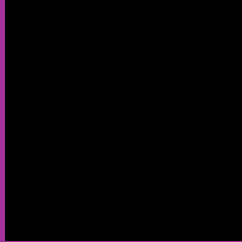
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 67.308, 331.005

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.308, 331.005.



This preview shows how white text looks on a background with the CIELCh color 42, 67.308, 331.005.

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, 67.308, 331.005

Protanopia

43, 60.260, 287.155

Deuteranopia

42, 28.665, 282.609



Tritanopia
42, 38.050, 21.359

Trichromacy



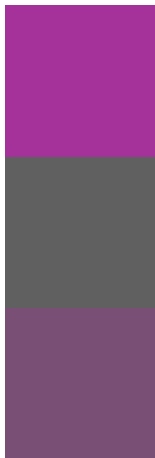
Original Color
42, 67.308, 331.005

Protanomaly
39, 61.908, 299.561

Deuteranomaly
40, 42.562, 309.467

Tritanomaly
42, 44.343, 354.660

Monochromacy



Original Color
42, 67.308, 331.005

Achromatopsia
41, 0.006, 296.813

Achromatomaly
39, 28.257, 329.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.308, 331.005 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, 49, 154)` looks like.

```
.text, #text, p{  
    color:rgb(165, 49, 154)  
}
```

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, 49, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 49, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.308, 331.005 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, 49, 154) }
```

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

```
.border{ border-color:rgb(165, 49, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 49, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 49, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 49, 154); box-shadow:4px 4px 4px 4px rgb(165, 49, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.308, 331.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 49, 154) }
```

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

```
.background{ background-color: rgb(165, 49,  
154) }
```

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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