

Converting Colors

CIELCh(42, 68.008, 328.719)

Have a look what the booklet for
CIELCh(42, 68.008, 328.719)
contains.

CIELCh(42, 67.843, 328.851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 67.843, 328.851)

Conversions

Conversions Part 1

Format	Color
Hex	A2339E
RGB	162, 51, 158
RGB Percent	64%, 20%, 62%
CMY	0.3650, 0.8003, 0.3807
CMYK	0.00, 0.69, 0.02, 0.37
HSL	302°, 52%, 42%
HSV	302°, 69%, 63%
XYZ	22.2301, 12.5000, 33.5558
YIQ	96.3870, 31.8090, 56.8090

Conversions

Conversions Part 2

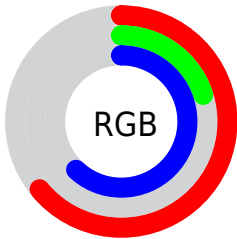
Format	Color
R_{YB}	162, 51, 158
Decimal	10630046
CIE _{Lab}	42.00, 58.06, -35.09
CIE _{LCh}	42, 67.843, 328.851
Yxy	12.5000, 0.3255, 0.1831
Android (android.graphics.Color)	4288820126 (0xFFA2339E)
YUV	96.3870, 30.3752, 57.5426
Hunter-Lab	35.3553, 50.3623, -31.5234

Details

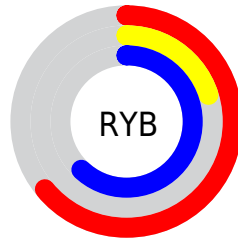
The CIELCh color $42, 67.843, 328.851$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 69.199, 139.209$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 67.766, 328.995$, and $24, 60.573, 328.588$ is the 20% darker color. If you saturate the color by 10%, you get $40, 73.727, 329.187$, and if you desaturate by 10%, it is $45, 60.213, 328.451$.

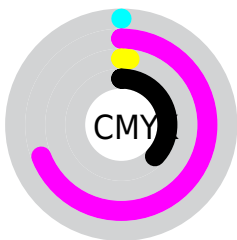
Distribution



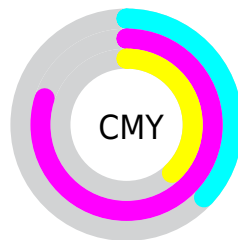
- Red (64%)
- Green (20%)
- Blue (62%)



- Red (64%)
- Yellow (20%)
- Blue (62%)



- Cyan (0%)
- Magenta (69%)
- Yellow (2%)
- Black (37%)





- Cyan (37%)
- Magenta (80%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 67.843, 328.851 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, 67.843, 328.851 by changing the saturation by 10% instead.


 42, 67.843,
328.851


 42, 67.843,
328.851


 100, 67.843,
328.851


 32, 67.843,
328.851

 62, 67.843,
328.851


 22, 67.843,
328.851

 72, 67.843,
328.851

 12, 67.843,
328.851


 82, 67.843,
328.851

 2, 67.843, 328.851

 92, 67.843,
328.851

 0, 67.843, 328.851

 42, 67.843,

 42, 67.843,

328.851

40, 73.727,
329.187

39, 77.623,
329.457

38, 79.744,
329.671

38, 80.017,
329.701

328.851

45, 60.213,
328.451

48, 51.225,
327.995

51, 41.291,
327.496

55, 30.784,
326.966

59, 20.006,
326.419

63, 9.181, 325.858

67, 1.536, 145.488

72, 12.045,
144.828

■ 76, 22.288,
144.308

Harmonies

Complementary

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



42, 67.843, 328.851



59, 69.199, 139.209

Rectangle

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



42, 67.843, 328.851



42, 67.843, 18.851



42, 67.843, 148.851



42, 67.843, 198.851

Sweetspot

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



42, 67.841, 328.851



74, 28.180, 326.576



29, 69.898, 301.764



38, 19.227, 326.720



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, 67.841, 328.851



52, 92.668, 329.330



40, 50.370, 354.447



32, 6.116, 325.899



34, 73.946, 329.687



2, 9.393, 325.741

Inverse Universe

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



42, 67.841, 328.851



52, 92.668, 329.330



60, 47.119, 157.424



32, 6.116, 325.899



34, 73.946, 329.687



2, 9.393, 325.741

Previews

White Background



This preview shows how the CIELCh color 42, 67.843, 328.851 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, 67.843, 328.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

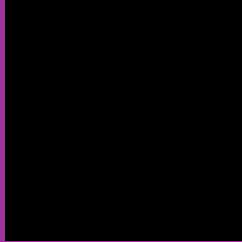
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 67.843, 328.851

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.843, 328.851.

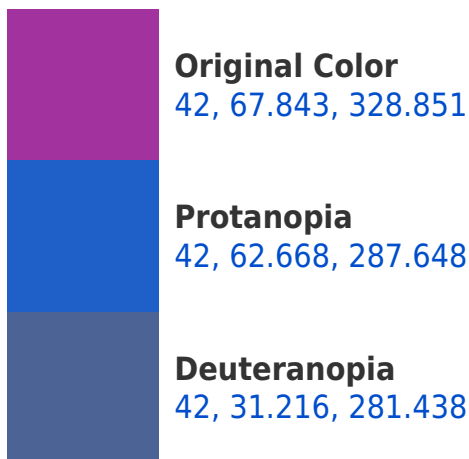


This preview shows how white text looks on a background with the CIELCh color 42, 67.843, 328.851.

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](#).

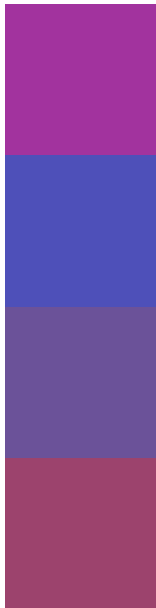
Dichromacy





Tritanopia
42, 34.760, 20.238

Trichromacy



Original Color
42, 67.843, 328.851

Protanomaly
39, 63.615, 298.392

Deuteranomaly
40, 43.966, 306.761

Tritanomaly
42, 42.194, 351.764

Monochromacy



Original Color
42, 67.843, 328.851

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 28.286, 326.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.843, 328.851 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(162, 51, 158)` looks like.

```
.text, #text, p{  
    color:rgb(162, 51, 158)  
}
```

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(162, 51, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 51, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.843, 328.851 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(162, 51, 158) }
```

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

```
.border{ border-color:rgb(162, 51, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 51, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 51, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 51, 158);  
box-shadow:4px 4px 4px 4px rgb(162, 51,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.843, 328.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 51, 158) }
```

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

```
.background{ background-color: rgb(162, 51,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor