

Converting Colors

CIELCh(41, 69.714, 335.342)

Have a look what the booklet for
CIELCh(41, 69.714, 335.342)
contains.

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Color

CIELCh(41, 69.891, 335.326)

Conversions

Conversions Part 1

Format	Color
Hex	AB2392
RGB	171, 35, 146
RGB Percent	67%, 14%, 57%
CMY	0.3307, 0.8644, 0.4286
CMYK	0.00, 0.80, 0.15, 0.33
HSL	311°, 66%, 40%
HSV	311°, 80%, 67%
XYZ	22.4773, 11.8645, 28.1781
YIQ	88.3180, 45.4250, 63.3530

Conversions

Conversions Part 2

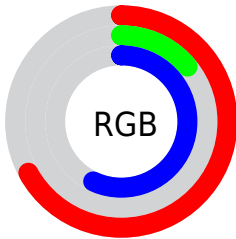
Format	Color
R_{YB}	171, 35, 146
Decimal	11215762
CIE _{Lab}	41.00, 63.51, -29.18
CIE _{LCh}	41, 69.891, 335.326
Yxy	11.8645, 0.3595, 0.1898
Android (android.graphics.Color)	4289405842 (0xFFAB2392)
YUV	88.3180, 28.4372, 72.5121
Hunter-Lab	34.4449, 56.2030, -24.3915

Details

The CIELCh color **41, 69.891, 335.326** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **61, 73.623, 141.370**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.048, 335.514**, and **25, 56.323, 335.800** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.918, 336.163**, and if you desaturate by 10%, it is **43, 64.768, 334.560**.

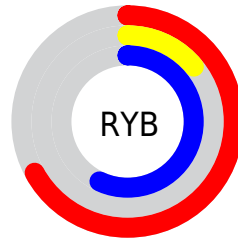
Distribution



Red (67%)

Green (14%)

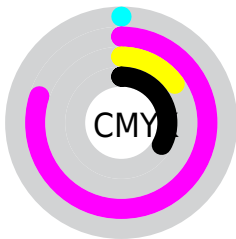
Blue (57%)



Red (67%)

Yellow (14%)

Blue (57%)

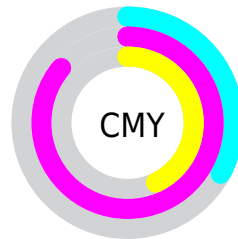


Cyan (0%)

Magenta (80%)

Yellow (15%)

Black (33%)



Cyan (33%)


Magenta (86%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 69.891, 335.326 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 41, 69.891, 335.326 by changing the saturation by 10% instead.


 41, 69.891,
335.326


 41, 69.891,
335.326


 100, 69.891,
335.326


 31, 69.891,
335.326

 61, 69.891,
335.326


 21, 69.891,
335.326

 71, 69.891,
335.326


 11, 69.891,
335.326

 81, 69.891,
335.326

 1, 69.891, 335.326

 91, 69.891,
335.326

 0, 69.891, 335.326

 41, 69.891,

 41, 69.891,

335.326

■ 40, 72.918,
336.163

■ 39, 74.189,
337.081

■ 39, 74.219,
337.105

335.326

■ 43, 64.768,
334.560

■ 46, 57.824,
333.838

■ 49, 49.470,
333.142

■ 53, 40.147,
332.465

■ 57, 30.245,
331.803

■ 61, 20.074,
331.156

■ 65, 9.857, 330.519

■ 70, 0.256, 151.002

■ 75, 10.169,
149.394

Harmonies

Complementary

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



41, 69.891, 335.326



61, 73.623, 141.370

Rectangle

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



41, 69.891, 335.326



41, 69.891, 25.326



41, 69.891, 155.326



41, 69.891, 205.326

Sweetspot

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



41, 69.888, 335.326



75, 30.235, 331.458



27, 83.831, 305.917



38, 20.933, 331.683



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



41, 69.888, 335.326



51, 89.794, 336.902



38, 56.780, 9.698



33, 5.662, 330.489



33, 66.909, 336.982



2, 9.852, 332.016

Inverse Universe

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



41, 69.888, 335.326



51, 89.794, 336.902



62, 47.078, 164.781



33, 5.662, 330.489



33, 66.909, 336.982



2, 9.852, 332.016

Previews

White Background



This preview shows how the CIELCh color 41, 69.891, 335.326 looks on a white background.

Color Contrast Check

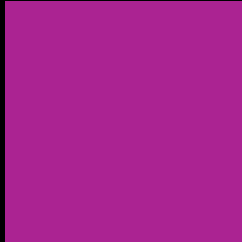
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 69.891, 335.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

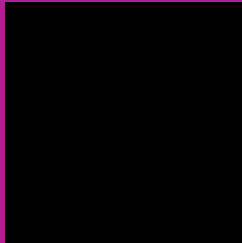
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 69.891, 335.326

Background



This preview shows how black text looks on a background with the CIELCh color 41, 69.891, 335.326.

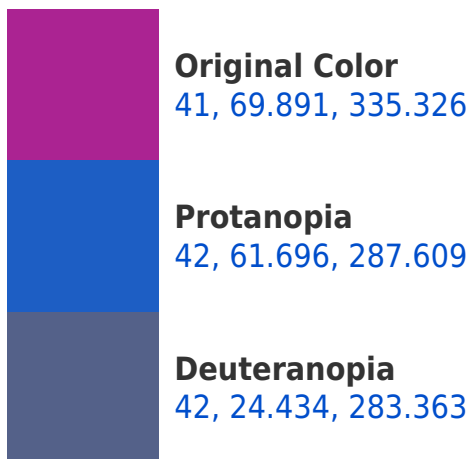


This preview shows how white text looks on a background with the CIELCh color 41, 69.891, 335.326.

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](#).

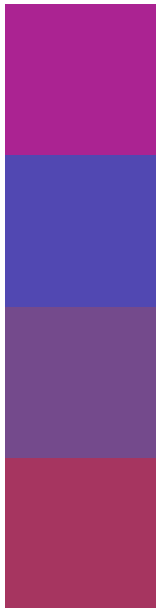
Dichromacy





Tritanopia
41, 45.850, 24.686

Trichromacy



Original Color
41, 69.891, 335.326

Protanomaly
37, 64.792, 301.160

Deuteranomaly
39, 42.700, 315.664

Tritanomaly
40, 49.791, 0.722

Monochromacy



Original Color
41, 69.891, 335.326

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 31.002, 332.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 69.891, 335.326 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(171, 35, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 35, 146)  
}
```

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(171, 35, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 35, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 69.891, 335.326 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(171, 35, 146) }
```

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

```
.border{ border-color:rgb(171, 35, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 35, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 35, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 35, 146); box-shadow:4px 4px 4px 4px rgb(171, 35, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 69.891, 335.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 35, 146) }
```

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

```
.background{ background-color: rgb(171, 35,  
146) }
```

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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