

Converting Colors

CIELCh(41, 71.491, 333.834)

Have a look what the booklet for
CIELCh(41, 71.491, 333.834)
contains.

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Color

CIELCh(41, 71.549, 333.678)

Conversions

Conversions Part 1

Format	Color
Hex	AA2296
RGB	170, 34, 150
RGB Percent	67%, 13%, 59%
CMY	0.3338, 0.8673, 0.4122
CMYK	0.00, 0.80, 0.12, 0.33
HSL	309°, 67%, 40%
HSV	309°, 80%, 67%
XYZ	22.6130, 11.8645, 29.9032
YIQ	87.8880, 43.8200, 64.9080

Conversions

Conversions Part 2

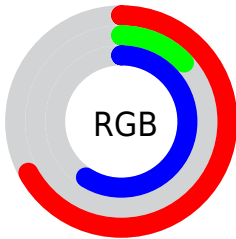
Format	Color
R_{YB}	170, 34, 150
Decimal	11149974
CIE _{Lab}	41.00, 64.13, -31.73
CIE _{LCh}	41, 71.549, 333.678
Yxy	11.8645, 0.3512, 0.1843
Android (android.graphics.Color)	4289340054 (0xFFAA2296)
YUV	87.8880, 30.6212, 72.0122
Hunter-Lab	34.4449, 56.9059, -27.3609

Details

The CIELCh color **41, 71.549, 333.678** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **61, 75.282, 140.343**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.670, 333.678**, and **25, 57.802, 333.982** is the 20% darker color. If you saturate the color by 10%, you get **40, 74.653, 334.346**, and if you desaturate by 10%, it is **43, 66.347, 333.040**.

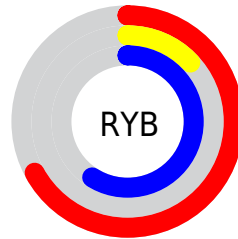
Distribution



Red (67%)

Green (13%)

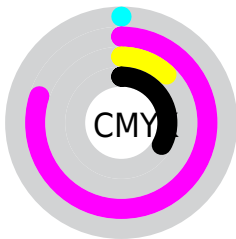
Blue (59%)



Red (67%)

Yellow (13%)

Blue (59%)

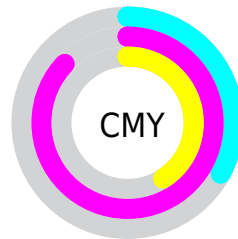


Cyan (0%)

Magenta (80%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (87%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 71.549, 333.678 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, 71.549, 333.678 by changing the saturation by 10% instead.


 41, 71.549,
333.678


 41, 71.549,
333.678


 100, 71.549,
333.678


 31, 71.549,
333.678

 61, 71.549,
333.678


 21, 71.549,
333.678

 71, 71.549,
333.678

 11, 71.549,
333.678

 81, 71.549,
333.678

 1, 71.549, 333.678

 91, 71.549,
333.678

 0, 71.549, 333.678

 41, 71.549,

 41, 71.549,

333.678

333.678

■ 40, 74.653,
334.346

■ 43, 66.347,
333.040

■ 39, 76.042,
335.047

■ 46, 59.303,
332.413

■ 49, 50.821,
331.788

■ 52, 41.339,
331.164

■ 56, 31.251,
330.541

■ 61, 20.872,
329.924

■ 65, 10.432,
329.310

■ 70, 0.090, 325.837

■ 74, 10.057,
148.211

Harmonies

Complementary

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



41, 71.549, 333.678



61, 75.282, 140.343

Rectangle

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



41, 71.549, 333.678



41, 71.549, 23.678



41, 71.549, 153.678



41, 71.549, 203.678

Sweetspot

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



41, 71.547, 333.678



75, 31.012, 330.192



26, 84.222, 305.211



38, 21.468, 330.406



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, 71.547, 333.678



51, 92.290, 334.893



38, 56.721, 5.643



33, 5.809, 329.260



34, 68.769, 334.958



2, 10.176, 330.400

Inverse Universe

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



41, 71.547, 333.678



51, 92.290, 334.893



62, 49.595, 161.249



33, 5.809, 329.260



34, 68.769, 334.958



2, 10.176, 330.400

Previews

White Background



This preview shows how the CIELCh color 41, 71.549, 333.678 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, 71.549, 333.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

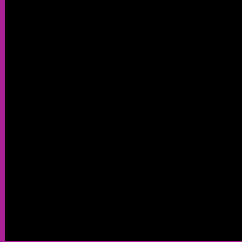
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 71.549, 333.678

Background



This preview shows how black text looks on a background with the CIELCh color 41, 71.549, 333.678.

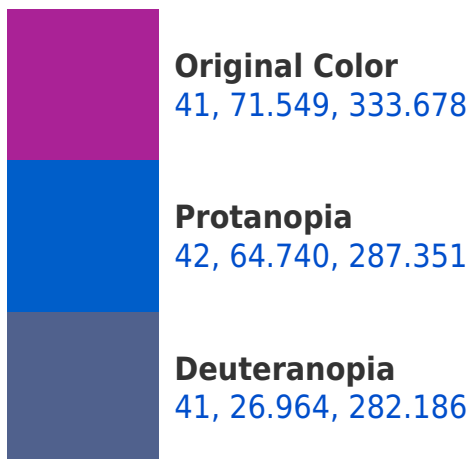


This preview shows how white text looks on a background with the CIELCh color 41, 71.549, 333.678.

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](#).

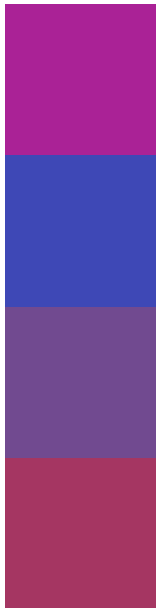
Dichromacy





Tritanopia
41, 44.470, 24.288

Trichromacy



Original Color
41, 71.549, 333.678

Protanomaly
36, 67.433, 297.911

Deuteranomaly
39, 44.647, 313.245

Tritanomaly
40, 49.282, 359.305

Monochromacy



Original Color
41, 71.549, 333.678

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 32.557, 330.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 71.549, 333.678 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(170, 34, 150)` looks like.

```
.text, #text, p{  
  color:rgb(170, 34, 150)  
}
```

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(170, 34, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 34, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 71.549, 333.678 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(170, 34, 150) }
```

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

```
.border{ border-color:rgb(170, 34, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 34, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 34, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 34, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 34,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 71.549, 333.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 34, 150) }
```

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

```
.background{ background-color: rgb(170, 34,  
150) }
```

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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