

Converting Colors

CIELCh(34, 85.211, 313.400)

Have a look what the booklet for
CIELCh(34, 85.211, 313.400)
contains.

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Color

CIELCh(34, 85.421, 313.462)

Conversions

Conversions Part 1

Format	Color
Hex	7123B5
RGB	113, 35, 181
RGB Percent	44%, 14%, 71%
CMY	0.5578, 0.8638, 0.2911
CMYK	0.38, 0.81, 0.00, 0.29
HSL	272°, 68%, 42%
HSV	272°, 81%, 71%
XYZ	15.6889, 8.0082, 44.3084
YIQ	74.9660, -0.3780, 61.9420

Conversions

Conversions Part 2

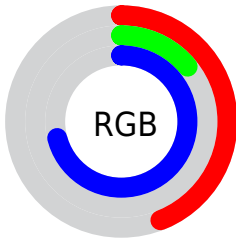
Format	Color
R_{YB}	113, 35, 181
Decimal	7414709
CIE Lab	34.00, 58.76, -62.00
CIE LCh	34, 85.421, 313.462
Yxy	8.0082, 0.2307, 0.1178
Android (android.graphics.Color)	4285604789 (0xFF7123B5)
YUV	74.9660, 52.2748, 33.3558
Hunter-Lab	28.2988, 49.4377, -73.0232

Details

The CIELCh color **34, 85.421, 313.462** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **66, 76.832, 127.643**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 85.421, 313.369**, and **17, 75.221, 310.835** is the 20% darker color. If you saturate the color by 10%, you get **31, 91.725, 313.211**, and if you desaturate by 10%, it is **38, 76.908, 313.390**.

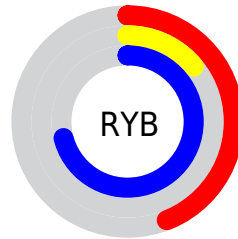
Distribution



Red (44%)

Green (14%)

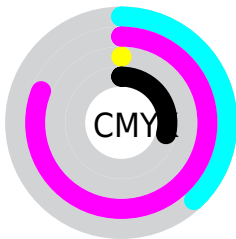
Blue (71%)



Red (44%)

Yellow (14%)

Blue (71%)

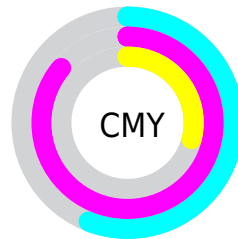


Cyan (38%)

Magenta (81%)

Yellow (0%)

Black (29%)



Cyan (56%)

Magenta (86%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 85.421, 313.462 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 34, 85.421, 313.462 by changing the saturation by 10% instead.

 34, 85.421,
313.462

 34, 85.421,
313.462

 100, 85.421,
313.462

 24, 85.421,
313.462

 54, 85.421,
313.462

 14, 85.421,
313.462

 64, 85.421,
313.462

 4, 85.421, 313.462

 74, 85.421,
313.462

 0, 85.421, 313.462

 84, 85.421,
313.462

 94, 85.421,
313.462

■ 34, 85.421,
313.462

■ 34, 85.421,
313.462

■ 31, 91.725,
313.211

■ 38, 76.908,
313.390

■ 29, 95.654,
312.724

■ 42, 66.904,
313.098

■ 47, 56.054,
312.675

■ 52, 44.834,
312.189

■ 57, 33.552,
311.683

■ 62, 22.395,
311.186

■ 68, 11.469,
310.713

■ 73, 0.826, 310.145

Harmonies

Complementary

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



34, 85.421, 313.462



66, 76.832, 127.643

Rectangle

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



34, 85.421, 313.462



34, 85.421, 3.462



34, 85.421, 133.462



34, 85.421, 183.462

Sweetspot

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



34, 85.421, 313.462



77, 32.110, 311.364



43, 47.807, 278.974



38, 22.129, 311.538



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



34, 85.421, 313.462



39, 115.258, 312.737



44, 81.587, 329.176



35, 5.952, 310.645



24, 84.472, 312.871



1, 13.922, 306.375

Inverse Universe

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



41, 60.851, 357.924



51, 78.824, 4.719



65, 84.445, 137.698



35, 4.650, 346.284



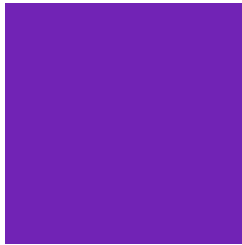
32, 57.701, 4.544



2, 10.409, 351.767

Previews

White Background



This preview shows how the CIELCh color 34, 85.421, 313.462 looks on a white background.

Color Contrast Check

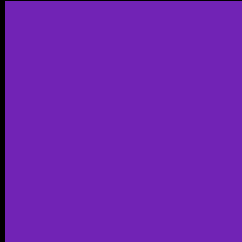
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 34, 85.421, 313.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

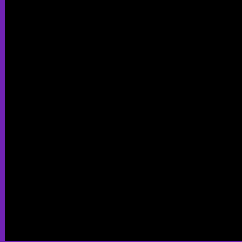
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 85.421, 313.462

Background



This preview shows how black text looks on a background with the CIELCh color 34, 85.421, 313.462.

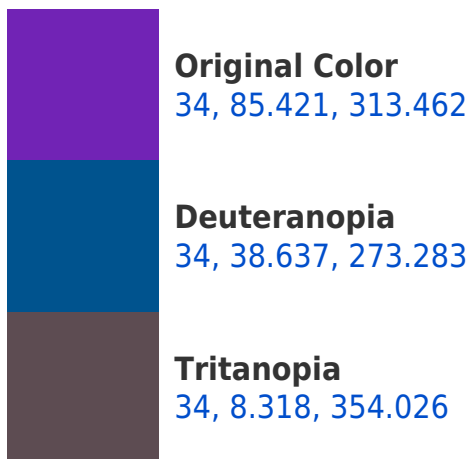


This preview shows how white text looks on a background with the CIELCh color 34, 85.421, 313.462.

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



Trichromacy



Original Color
34, 85.421, 313.462

Deuteranomaly
31, 57.408, 294.327

Tritanomaly
33, 38.273, 317.179

Monochromacy



Original Color
34, 85.421, 313.462

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 35.246, 312.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 85.421, 313.462 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(113, 35, 181)` looks like.

```
.text, #text, p{  
    color:rgb(113, 35, 181)  
}
```

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(113, 35, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 35, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 85.421, 313.462 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(113, 35, 181) }
```

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

```
.border{ border-color:rgb(113, 35, 181) }
```

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

Here you see how a box with a 4 pixel rgb(113, 35, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 35, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 35, 181);  
box-shadow:4px 4px 4px 4px rgb(113, 35,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 85.421, 313.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 35, 181) }
```

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

```
.background{ background-color: rgb(113, 35,  
181) }
```

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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