

Converting Colors

CIELCh(34, 70.161, 313.201)

Have a look what the booklet for
CIELCh(34, 70.161, 313.201)
contains.

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Color

CIELCh(34, 70.573, 313.266)

Conversions

Conversions Part 1

Format	Color
Hex	6D30A3
RGB	109, 48, 163
RGB Percent	43%, 19%, 64%
CMY	0.5726, 0.8118, 0.3608
CMYK	0.33, 0.71, 0.00, 0.36
HSL	272°, 55%, 41%
HSV	272°, 71%, 64%
XYZ	13.9728, 8.0082, 35.4564
YIQ	79.3490, -0.5590, 48.6970

Conversions

Conversions Part 2

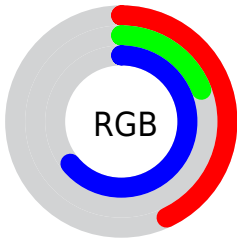
Format	Color
R_{YB}	109, 48, 163
Decimal	7155875
CIE _{Lab}	34.00, 48.37, -51.39
CIE _{LCh}	34, 70.573, 313.266
Yxy	8.0082, 0.2433, 0.1394
Android (android.graphics.Color)	4285345955 (0xFF6D30A3)
YUV	79.3490, 41.2399, 26.0039
Hunter-Lab	28.2988, 38.6130, -54.4770

Details

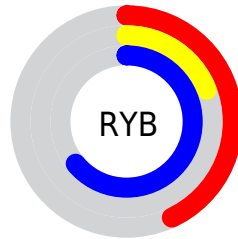
The CIELCh color **34, 70.573, 313.266** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **61, 64.155, 127.349**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 70.745, 313.362**, and **15, 66.958, 312.225** is the 20% darker color. If you saturate the color by 10%, you get **31, 78.555, 313.365**, and if you desaturate by 10%, it is **38, 61.285, 312.958**.

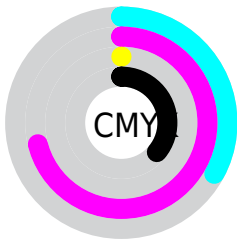
Distribution



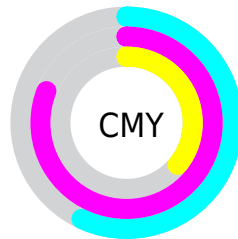
- Red (43%)
- Green (19%)
- Blue (64%)



- Red (43%)
- Yellow (19%)
- Blue (64%)



- Cyan (33%)
- Magenta (71%)
- Yellow (0%)
- Black (36%)





- Cyan (57%)
- Magenta (81%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 70.573, 313.266 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, 70.573, 313.266 by changing the saturation by 10% instead.


 34, 70.573,
313.266

 34, 70.573,
313.266

 100, 70.573,
313.266

 24, 70.573,
313.266

 54, 70.573,
313.266

 14, 70.573,
313.266

 64, 70.573,
313.266

 4, 70.573, 313.266

 74, 70.573,
313.266

 0, 70.573, 313.266

 84, 70.573,
313.266

 94, 70.573,
313.266

■ 34, 70.573,
313.266

■ 34, 70.573,
313.266

■ 31, 78.555,
313.365

■ 38, 61.285,
312.958

■ 28, 84.578,
313.153

■ 42, 51.270,
312.528

■ 26, 88.610,
312.719

■ 47, 40.944,
312.038

■ 52, 30.578,
311.533

■ 57, 20.335,
311.038

■ 62, 10.308,
310.567

■ 67, 0.541, 309.945

■ 72, 8.943, 129.771

■ 77, 18.142,
129.415

Harmonies

Complementary

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



34, 70.573, 313.266



61, 64.155, 127.349

Rectangle

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



34, 70.573, 313.266



34, 70.573, 3.266



34, 70.573, 133.266



34, 70.573, 183.266

Sweetspot

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



34, 70.572, 313.266



72, 25.726, 311.079



43, 37.446, 273.068



36, 17.607, 311.207



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 70.572, 313.266



38, 100.137, 313.281



42, 70.443, 328.285



32, 5.521, 310.509



22, 81.393, 312.828



1, 8.403, 308.382

Inverse Universe

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



39, 51.748, 354.712



47, 70.421, 359.284



59, 71.837, 138.537



32, 4.327, 346.055



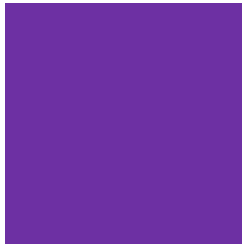
31, 55.605, 3.958



1, 6.463, 347.877

Previews

White Background



This preview shows how the CIELCh color 34, 70.573, 313.266 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, 70.573, 313.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

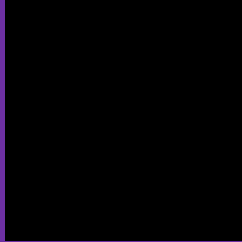
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 70.573, 313.266

Background



This preview shows how black text looks on a background with the CIELCh color 34, 70.573, 313.266.



This preview shows how white text looks on a background with the CIELCh color 34, 70.573, 313.266.

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

34, 70.573, 313.266

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 39.723, 274.756



Tritanopia
34, 8.497, 359.286

Trichromacy



Original Color
34, 70.573, 313.266



Protanomaly
32, 60.782, 294.526



Deuteranomaly
32, 50.486, 290.667



Tritanomaly
33, 30.835, 318.420

Monochromacy



Original Color
34, 70.573, 313.266



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 27.826, 311.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 70.573, 313.266 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(109, 48, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 48, 163)  
}
```

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(109, 48, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 48, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 70.573, 313.266 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(109, 48, 163) }
```

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

```
.border{ border-color:rgb(109, 48, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 48, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 48, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 48, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 48,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 70.573, 313.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 48, 163) }
```

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

```
.background{ background-color: rgb(109, 48,  
163) }
```

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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