

Converting Colors

CIELCh(34, 66.259, 314.983)

Have a look what the booklet for
CIELCh(34, 66.259, 314.983)
contains.

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Color

CIELCh(34, 66.389, 314.895)

Conversions

Conversions Part 1

Format	Color
Hex	70319C
RGB	112, 49, 156
RGB Percent	44%, 19%, 61%
CMY	0.5615, 0.8085, 0.3890
CMYK	0.28, 0.69, 0.00, 0.39
HSL	275°, 52%, 40%
HSV	275°, 69%, 61%
XYZ	13.7340, 8.0082, 32.1917
YIQ	80.0350, 3.2010, 46.6330

Conversions

Conversions Part 2

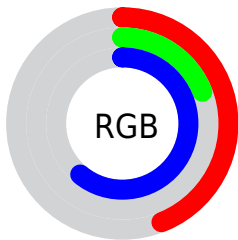
Format	Color
R_{YB}	112, 49, 156
Decimal	7352732
CIE _{Lab}	34.00, 46.86, -47.03
CIE _{LCh}	34, 66.389, 314.895
Yxy	8.0082, 0.2546, 0.1485
Android (android.graphics.Color)	4285542812 (0xFF70319C)
YUV	80.0350, 37.4507, 28.0333
Hunter-Lab	28.2988, 37.1069, -47.6371

Details

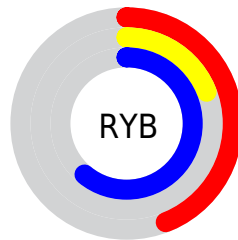
The CIELCh color **34, 66.389, 314.895** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 61.599, 129.247**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 66.219, 314.913**, and **15, 63.322, 314.131** is the 20% darker color. If you saturate the color by 10%, you get **31, 74.108, 314.972**, and if you desaturate by 10%, it is **38, 57.459, 314.630**.

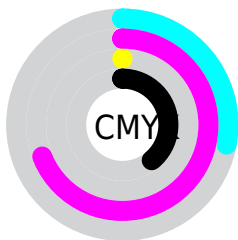
Distribution



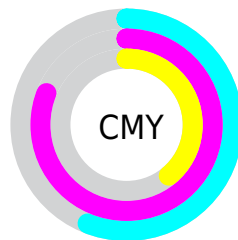
- Red (44%)
- Green (19%)
- Blue (61%)



- Red (44%)
- Yellow (19%)
- Blue (61%)



- Cyan (28%)
- Magenta (69%)
- Yellow (0%)
- Black (39%)





- Cyan (56%)
- Magenta (81%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 66.389, 314.895 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, 66.389, 314.895 by changing the saturation by 10% instead.


 34, 66.389,
314.895


 34, 66.389,
314.895

 100, 66.389,
314.895


 24, 66.389,
314.895

 54, 66.389,
314.895


 14, 66.389,
314.895

 64, 66.389,
314.895

 4, 66.389, 314.895

 74, 66.389,
314.895

 0, 66.389, 314.895

 84, 66.389,
314.895

 94, 66.389,
314.895

■ 34, 66.389,
314.895

■ 34, 66.389,
314.895

■ 31, 74.108,
314.972

■ 38, 57.459,
314.630

■ 28, 80.042,
314.774

■ 42, 47.833,
314.250

■ 26, 84.112,
314.303

■ 46, 37.888,
313.810

■ 26, 84.648,
314.247

■ 51, 27.880,
313.349

■ 56, 17.967,
312.891

■ 60, 8.242, 312.447

■ 65, 1.244, 132.153

■ 70, 10.469,
131.694

■ 74, 19.424,
131.351

Harmonies

Complementary

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



34, 66.389, 314.895



58, 61.599, 129.247

Rectangle

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



34, 66.389, 314.895



34, 66.389, 4.895



34, 66.389, 134.895



34, 66.389, 184.895

Sweetspot

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



34, 66.388, 314.895



69, 24.997, 313.015



39, 38.989, 278.745



35, 17.099, 313.132



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



34, 66.388, 314.895



39, 93.478, 314.915



40, 63.815, 330.489



31, 5.447, 312.473



23, 79.368, 314.329



1, 7.000, 311.080

Inverse Universe

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



38, 48.026, 358.468



45, 65.965, 2.983



57, 65.329, 140.372



31, 4.061, 349.486



30, 54.899, 9.413



1, 5.172, 350.026

Previews

White Background



This preview shows how the CIELCh color 34, 66.389, 314.895 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, 66.389, 314.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

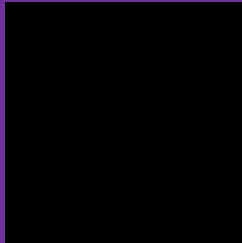
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 66.389, 314.895

Background



This preview shows how black text looks on a background with the CIELCh color 34, 66.389, 314.895.



This preview shows how white text looks on a background with the CIELCh color 34, 66.389, 314.895.

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, 66.389, 314.895

Protanopia

34, 54.560, 286.234

Deuteranopia

34, 40.811, 275.818



Tritanopia
34, 11.533, 5.712

Trichromacy



Original Color
34, 66.389, 314.895

Protanomaly
32, 59.591, 294.373

Deuteranomaly
32, 49.869, 290.638

Tritanomaly
34, 30.183, 324.329

Monochromacy



Original Color
34, 66.389, 314.895

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 26.145, 313.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 66.389, 314.895 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(112, 49, 156)` looks like.

```
.text, #text, p{  
    color:rgb(112, 49, 156)  
}
```

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(112, 49, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 49, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 66.389, 314.895 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(112, 49, 156) }
```

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

```
.border{ border-color:rgb(112, 49, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 49, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 49, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 49, 156);  
box-shadow:4px 4px 4px 4px rgb(112, 49,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 66.389, 314.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 49, 156) }
```

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

```
.background{ background-color: rgb(112, 49,  
156) }
```

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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