

Converting Colors

CIELCh(34, 82.544, 310.888)

Have a look what the booklet for
CIELCh(34, 82.544, 310.888)
contains.

CIELCh(34, 82.528, 310.878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 82.528, 310.878)

Conversions

Conversions Part 1

Format	Color
Hex	672BB5
RGB	103, 43, 181
RGB Percent	40%, 17%, 71%
CMY	0.5946, 0.8300, 0.2888
CMYK	0.43, 0.76, 0.00, 0.29
HSL	266°, 61%, 44%
HSV	266°, 76%, 71%
XYZ	14.8881, 8.0082, 44.6669
YIQ	76.6720, -8.5380, 55.6380

Conversions

Conversions Part 2

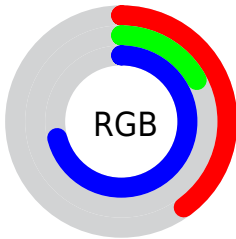
Format	Color
RYB	103, 43, 181
Decimal	6761397
CIELab	34.00, 54.01, -62.40
CIElCh	34, 82.528, 310.878
Yxy	8.0082, 0.2204, 0.1185
Android (android.graphics.Color)	4284951477 (0xFF672BB5)
YUV	76.6720, 51.4337, 23.0897
Hunter-Lab	28.2988, 44.3865, -73.7742

Details

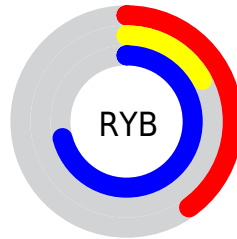
The CIELCh color **34, 82.528, 310.878** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **68, 71.889, 123.998**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 82.562, 310.799**, and **16, 76.630, 309.178** is the 20% darker color. If you saturate the color by 10%, you get **30, 90.604, 310.976**, and if you desaturate by 10%, it is **38, 72.658, 310.499**.

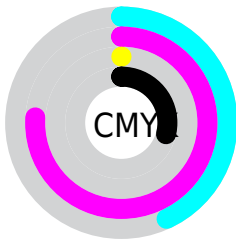
Distribution



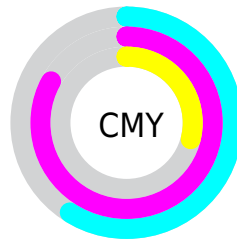
- Red (40%)
- Green (17%)
- Blue (71%)



- Red (40%)
- Yellow (17%)
- Blue (71%)



- Cyan (43%)
- Magenta (76%)
- Yellow (0%)
- Black (29%)



- Cyan (59%)
- Magenta (83%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 82.528, 310.878 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, 82.528, 310.878 by changing the saturation by 10% instead.


 34, 82.528,
310.878

 34, 82.528,
310.878

 100, 82.528,
310.878

 24, 82.528,
310.878

 54, 82.528,
310.878

 14, 82.528,
310.878

 64, 82.528,
310.878

 4, 82.528, 310.878

 74, 82.528,
310.878

 0, 82.528, 310.878

 84, 82.528,
310.878

 94, 82.528,
310.878

■ 34, 82.528,
310.878

■ 34, 82.528,
310.878

■ 30, 90.604,
310.976

■ 38, 72.658,
310.499

■ 28, 96.119,
310.673

■ 43, 61.787,
309.957

■ 27, 97.943,
310.535

■ 48, 50.493,
309.344

■ 54, 39.138,
308.719

■ 59, 27.930,
308.116

■ 65, 16.980,
307.553

■ 70, 6.340, 307.035

■ 76, 3.971, 126.615

■ 82, 13.952,
126.194

Harmonies

Complementary

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



34, 82.528, 310.878



68, 71.889, 123.998

Rectangle

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



34, 82.528, 310.878



34, 82.528, 0.878



34, 82.528, 130.878



34, 82.528, 180.878

Sweetspot

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



34, 82.528, 310.879



77, 30.222, 307.958



49, 38.427, 265.696



38, 21.006, 308.165



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, 82.528, 310.879



38, 114.530, 310.829



44, 80.945, 325.698



36, 5.974, 307.199



22, 87.329, 310.666



1, 15.805, 302.807

Inverse Universe

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



43, 61.474, 349.374



52, 80.094, 353.551



65, 82.002, 136.710



36, 5.090, 340.986



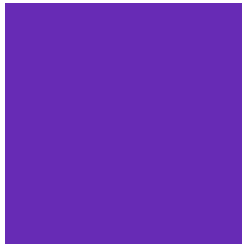
33, 59.700, 355.462



3, 12.704, 347.034

Previews

White Background



This preview shows how the CIELCh color 34, 82.528, 310.878 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, 82.528, 310.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

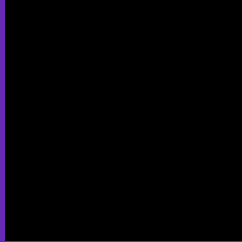
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 82.528, 310.878

Background



This preview shows how black text looks on a background with the CIELCh color 34, 82.528, 310.878.



This preview shows how white text looks on a background with the CIELCh color 34, 82.528, 310.878.

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, 82.528, 310.878

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 38.104, 272.695



Tritanopia
34, 4.488, 301.707

Trichromacy



Original Color
34, 82.528, 310.878

Protanomaly
32, 65.654, 295.844

Deuteranomaly
32, 54.759, 292.046

Tritanomaly
33, 35.641, 308.678

Monochromacy



Original Color
34, 82.528, 310.878

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 32.694, 309.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 82.528, 310.878 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(103, 43, 181)` looks like.

```
.text, #text, p{  
    color:rgb(103, 43, 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(103, 43, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 43, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 82.528, 310.878 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(103, 43, 181) }
```

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

```
.border{ border-color:rgb(103, 43, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 43, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 43, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 43, 181);  
box-shadow:4px 4px 4px 4px rgb(103, 43,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 82.528, 310.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 43, 181) }
```

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

```
.background{ background-color: rgb(103, 43,  
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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