

Converting Colors

CIELCh(34, 105.087, 312.757)

Have a look what the booklet for
CIELCh(34, 105.087, 312.757)
contains.

CIELCh(34, 105.326, 312.704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(34, 105.326, 312.704)

Conversions

Conversions Part 1

Format	Color
Hex	7003CF
RGB	112, 3, 207
RGB Percent	44%, 1%, 81%
CMY	0.5609, 0.9886, 0.1884
CMYK	0.46, 0.99, 0.00, 0.19
HSL	272°, 97%, 41%
HSV	272°, 99%, 81%
XYZ	17.9659, 8.0082, 59.6046
YIQ	58.8470, -0.5200, 86.5520

Conversions

Conversions Part 2

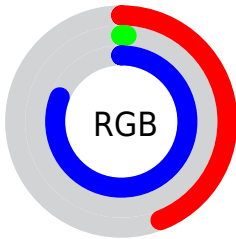
Format	Color
R_{YB}	112, 3, 207
Decimal	7341007
CIE _{Lab}	34.00, 71.43, -77.40
CIE _{LCh}	34, 105.326, 312.704
Yxy	8.0082, 0.2099, 0.0936
Android (android.graphics.Color)	4285531087 (0xFF7003CF)
YUV	58.8470, 73.0394, 46.6152
Hunter-Lab	28.2988, 63.8005, -105.0710

Details

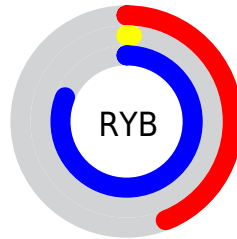
The CIELCh color **34, 105.326, 312.704** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **74, 93.871, 129.121**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 100.182, 313.541**, and **19, 87.701, 308.444** is the 20% darker color. If you saturate the color by 10%, you get **34, 105.907, 312.623**, and if you desaturate by 10%, it is **36, 100.679, 313.272**.

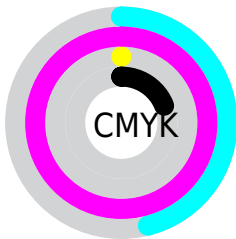
Distribution



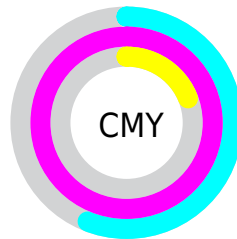
- Red (44%)
- Green (1%)
- Blue (81%)



- Red (44%)
- Yellow (1%)
- Blue (81%)



- Cyan (46%)
- Magenta (99%)
- Yellow (0%)
- Black (19%)





- Cyan (56%)
- Magenta (99%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 105.326, 312.704 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, 105.326, 312.704 by changing the saturation by 10% instead.


 34, 105.326,
312.704


 34, 105.326,
312.704


 100, 105.326,
312.704


 24, 105.326,
312.704


 54, 105.326,
312.704


 14, 105.326,
312.704


 64, 105.326,
312.704

 4, 105.326,
312.704

 74, 105.326,
312.704

 0, 105.326,
312.704

 84, 105.326,
312.704

 94, 105.326,
312.704

■ 34, 105.326,
312.704

■ 34, 105.326,
312.704

■ 34, 105.907,
312.623

■ 36, 100.679,
313.272

■ 40, 93.249,
313.474

■ 44, 83.445,
313.361

■ 49, 72.082,
313.040

■ 54, 59.870,
312.598

■ 60, 47.311,
312.101

■ 66, 34.729,
311.591

■ 72, 22.317,

311.094

■ 78, 10.181,
310.621

Harmonies

Complementary

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



34, 105.326, 312.704



74, 93.871, 129.121

Rectangle

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



34, 105.326, 312.704



34, 105.326, 2.704



34, 105.326, 132.704



34, 105.326, 182.704

Sweetspot

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



34, 105.326, 312.705



79, 43.242, 311.681



43, 65.444, 286.953



39, 29.624, 311.899



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 105.326, 312.705



42, 124.108, 312.486



49, 95.949, 329.587



41, 6.784, 310.659



27, 90.674, 312.787



3, 26.949, 308.829

Inverse Universe

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



45, 71.916, 5.085



55, 84.424, 6.328



73, 101.448, 136.295



41, 5.299, 346.311



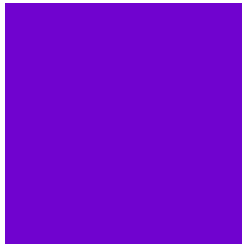
36, 61.876, 4.949



5, 21.489, 356.139

Previews

White Background



This preview shows how the CIE LCh color 34, 105.326, 312.704 looks on a white background.

Color Contrast Check

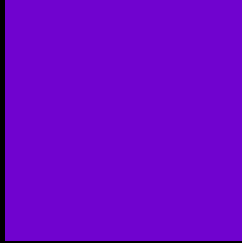
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 105.326, 312.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

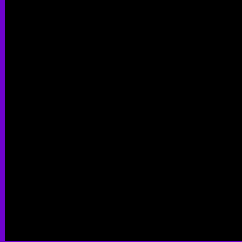
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 105.326, 312.704

Background



This preview shows how black text looks on a background with the CIELCh color 34, 105.326, 312.704.



This preview shows how white text looks on a background with the CIELCh color 34, 105.326, 312.704.

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, 105.326, 312.704

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 38.102, 272.340



Tritanopia
35, 3.783, 297.174

Trichromacy



Original Color
34, 105.326, 312.704



Protanomaly
30, 80.862, 301.139



Deuteranomaly
29, 69.948, 299.078



Tritanomaly
31, 50.422, 312.348

Monochromacy



Original Color
34, 105.326, 312.704



Achromatopsia
25, 0.004, 296.813



Achromatomaly
25, 48.998, 312.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 105.326, 312.704 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, 3, 207)` looks like.

```
.text, #text, p{  
    color:rgb(112, 3, 207)  
}
```

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, 3, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 3, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 105.326, 312.704 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, 3, 207) }
```

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

```
.border{ border-color:rgb(112, 3, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 3, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 3, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 3, 207);  
box-shadow:4px 4px 4px 4px rgb(112, 3,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 105.326, 312.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 3, 207) }
```

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

```
.background{ background-color: rgb(112, 3,  
207) }
```

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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