

Converting Colors

CIELCh(34, 101.865, 306.376)

Have a look what the booklet for
CIELCh(34, 101.865, 306.376)
contains.

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Color

CIELCh(34, 102.058, 306.427)

Conversions

Conversions Part 1

Format	Color
Hex	4C29D7
RGB	76, 41, 215
RGB Percent	30%, 16%, 84%
CMY	0.7025, 0.8397, 0.1573
CMYK	0.65, 0.81, 0.00, 0.16
HSL	252°, 68%, 50%
HSV	252°, 81%, 84%
XYZ	16.0073, 8.0082, 64.9097
YIQ	71.3010, -34.9940, 61.5340

Conversions

Conversions Part 2

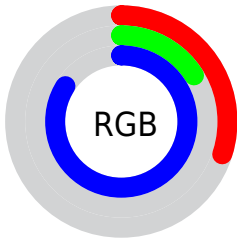
Format	Color
R_{YB}	76, 41, 215
Decimal	4991447
CIE Lab	34.00, 60.60, -82.12
CIE LCh	34, 102.058, 306.427
Yxy	8.0082, 0.1800, 0.0901
Android (android.graphics.Color)	4283181527 (0xFF4C29D7)
YUV	71.3010, 70.8436, 4.1210
Hunter-Lab	28.2988, 51.4461, -116.1859

Details

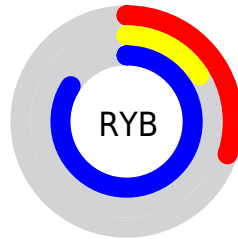
The CIELCh color **34, 102.058, 306.427** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **81, 80.740, 113.880**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 92.449, 306.970**, and **18, 94.007, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 110.928, 307.045**, and if you desaturate by 10%, it is **39, 90.369, 305.391**.

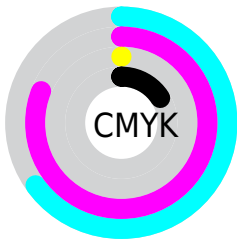
Distribution



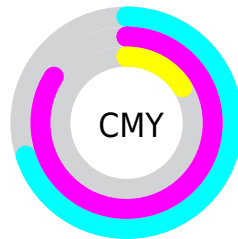
- Red (30%)
- Green (16%)
- Blue (84%)



- Red (30%)
- Yellow (16%)
- Blue (84%)



- Cyan (65%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)





- Cyan (70%)
- Magenta (84%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 102.058, 306.427 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, 102.058, 306.427 by changing the saturation by 10% instead.


 34, 102.058,
306.427


 34, 102.058,
306.427


 100, 102.058,
306.427


 24, 102.058,
306.427


 54, 102.058,
306.427


 14, 102.058,
306.427


 64, 102.058,
306.427

 4, 102.058,
306.427

 74, 102.058,
306.427

 0, 102.058,
306.427

 84, 102.058,
306.427

 94, 102.058,
306.427

■ 34, 102.058,
306.427

■ 34, 102.058,
306.427

■ 30, 110.928,
307.045

■ 39, 90.369,
305.391

■ 28, 115.927,
307.200

■ 45, 77.297,
304.160

■ 51, 63.818,
302.899

■ 58, 50.453,
301.704

■ 65, 37.441,
300.619

■ 72, 24.873,
299.659

■ 78, 12.770,
298.821

■ 85, 1.121, 298.085

■ 92, 10.095,
117.473

Harmonies

Complementary

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



34, 102.058, 306.427



81, 80.740, 113.880

Rectangle

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



34, 102.058, 306.427



34, 102.058, 356.427



34, 102.058, 126.427



34, 102.058, 176.427

Sweetspot

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



34, 102.059, 306.428



81, 32.908, 299.958



68, 36.499, 229.351



40, 22.764, 300.304



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, 102.059, 306.428



35, 130.552, 307.125



45, 96.564, 318.175



41, 6.569, 298.701



21, 97.564, 307.306



2, 27.848, 299.030

Inverse Universe

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



51, 83.123, 336.388



58, 98.523, 338.117



77, 92.465, 132.287



42, 6.825, 331.120



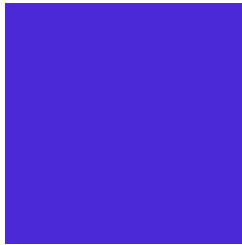
39, 73.314, 338.146



6, 28.424, 335.921

Previews

White Background



This preview shows how the CIE LCh color 34, 102.058, 306.427 looks on a white background.

Color Contrast Check

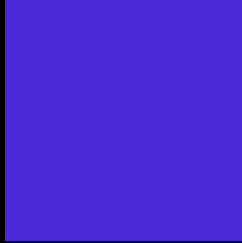
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.058, 306.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

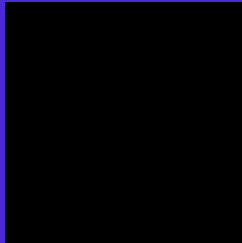
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 102.058, 306.427

Background



This preview shows how black text looks on a background with the CIELCh color 34, 102.058, 306.427.



This preview shows how white text looks on a background with the CIELCh color 34, 102.058, 306.427.

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, 102.058, 306.427

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 22.285, 208.177

Trichromacy



Original Color

34, 102.058, 306.427



Protanomaly

32, 72.787, 296.593



Deuteranomaly

32, 62.150, 293.482



Tritanomaly

31, 43.544, 284.888

Monochromacy



Original Color

34, 102.058, 306.427



Achromatopsia

30, 0.005, 296.813



Achromatomaly

30, 40.553, 302.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 102.058, 306.427 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(76, 41, 215)` looks like.

```
.text, #text, p{  
    color:rgb(76, 41, 215)  
}
```

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(76, 41, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 41, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 102.058, 306.427 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(76, 41, 215) }
```

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

```
.border{ border-color:rgb(76, 41, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 41, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 41, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 41, 215);  
box-shadow:4px 4px 4px 4px rgb(76, 41,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 102.058, 306.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 41, 215) }
```

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

```
.background{ background-color: rgb(76, 41,  
215) }
```

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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