

Converting Colors

CIELCh(35, 83.113, 297.750)

Have a look what the booklet for
CIELCh(35, 83.113, 297.750)
contains.

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Color

CIELCh(35, 83.147, 297.718)

Conversions

Conversions Part 1

Format	Color
Hex	1843CB
RGB	24, 67, 203
RGB Percent	9%, 26%, 80%
CMY	0.9071, 0.7377, 0.2044
CMYK	0.88, 0.67, 0.00, 0.20
HSL	226°, 79%, 44%
HSV	226°, 88%, 80%
XYZ	13.1345, 8.4984, 57.3699
YIQ	69.6470, -69.2840, 33.1800

Conversions

Conversions Part 2

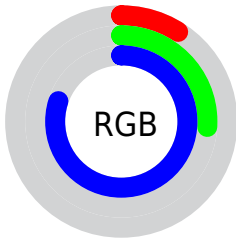
Format	Color
R_{YB}	24, 59, 203
Decimal	1590219
CIE _{Lab}	35.00, 38.67, -73.61
CIE _{LCh}	35, 83.147, 297.718
Yxy	8.4984, 0.1663, 0.1076
Android (android.graphics.Color)	4279780299 (0xFF1843CB)
YUV	69.6470, 65.7430, -40.0324
Hunter-Lab	29.1520, 29.4078, -96.2738

Details

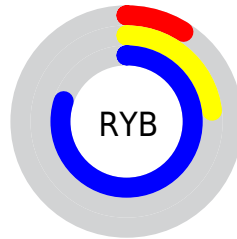
The CIELCh color **35, 83.147, 297.718** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68, 67.889, 86.163**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 79.823, 297.421**, and **19, 78.870, 302.917** is the 20% darker color. If you saturate the color by 10%, you get **31, 92.910, 300.708**, and if you desaturate by 10%, it is **39, 72.875, 294.534**.

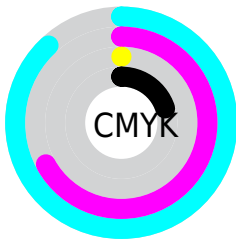
Distribution



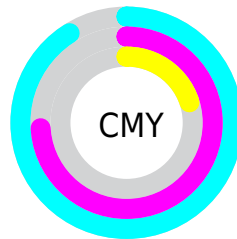
- Red (9%)
- Green (26%)
- Blue (80%)



- Red (9%)
- Yellow (23%)
- Blue (80%)



- Cyan (88%)
- Magenta (67%)
- Yellow (0%)
- Black (20%)





- Cyan (91%)
- Magenta (74%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 83.147, 297.718 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 35, 83.147, 297.718 by changing the saturation by 10% instead.


 35, 83.147,
297.718


 35, 83.147,
297.718

 100, 83.147,
297.718


 25, 83.147,
297.718

 55, 83.147,
297.718


 15, 83.147,
297.718


 65, 83.147,
297.718

 5, 83.147, 297.718

 75, 83.147,
297.718

 0, 83.147, 297.718

 85, 83.147,
297.718

 95, 83.147,
297.718

■ 35, 83.147,
297.718

■ 35, 83.147,
297.718

■ 31, 92.910,
300.708

■ 39, 72.875,
294.534

■ 31, 94.454,
301.147

■ 44, 62.617,
291.425

■ 50, 52.613,
288.556

■ 55, 42.928,
286.003

■ 60, 33.553,
283.783

■ 66, 24.459,
281.875

■ 71, 15.619,
280.243

■ 77, 7.010, 278.857

Harmonies

Complementary

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



35, 83.147, 297.718



68, 67.889, 86.163

Rectangle

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



35, 83.147, 297.718



35, 83.147, 347.718



35, 83.147, 117.718



35, 83.147, 167.718

Sweetspot

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



35, 83.148, 297.719



83, 26.960, 281.531



73, 52.962, 168.250



42, 18.361, 282.148



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 83.148, 297.719



39, 113.614, 301.532



30, 103.432, 307.578



40, 4.804, 278.994



25, 80.179, 300.718



3, 19.664, 285.608

Inverse Universe

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



44, 70.803, 20.408



54, 91.389, 27.427



76, 81.444, 116.550



40, 4.589, 0.991



34, 65.350, 25.702



4, 18.337, 7.706

Previews

White Background



This preview shows how the CIE LCh color 35, 83.147, 297.718 looks on a white background.

Color Contrast Check

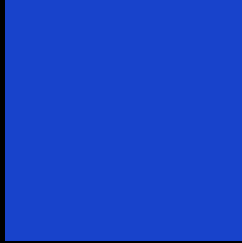
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 83.147, 297.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

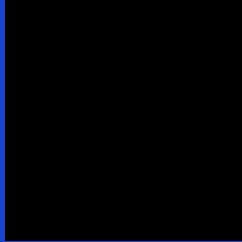
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 83.147, 297.718

Background



This preview shows how black text looks on a background with the CIELCh color 35, 83.147, 297.718.



This preview shows how white text looks on a background with the CIELCh color 35, 83.147, 297.718.

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

35, 83.147, 297.718

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.102, 272.340



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 83.147, 297.718

Protanomaly
35, 65.093, 291.471

Deuteranomaly
34, 53.906, 286.421

Tritanomaly
34, 35.277, 270.769

Monochromacy



Original Color
35, 83.147, 297.718

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 32.079, 287.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 83.147, 297.718 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(24, 67, 203)` looks like.

```
.text, #text, p{  
    color:rgb(24, 67, 203)  
}
```

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(24, 67, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 67, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 83.147, 297.718 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(24, 67, 203) }
```

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

```
.border{ border-color:rgb(24, 67, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 67, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 67, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 67, 203);  
box-shadow:4px 4px 4px 4px rgb(24, 67,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 83.147, 297.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 67, 203) }
```

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

```
.background{ background-color: rgb(24, 67,  
203) }
```

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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