

Converting Colors

CIELCh(35, 85.806, 297.567)

Have a look what the booklet for
CIELCh(35, 85.806, 297.567)
contains.

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Color

CIELCh(35, 85.523, 297.473)

Conversions

Conversions Part 1

Format	Color
Hex	0243CF
RGB	2, 67, 207
RGB Percent	1%, 26%, 81%
CMY	0.9925, 0.7380, 0.1891
CMYK	0.99, 0.68, 0.00, 0.19
HSL	221°, 98%, 41%
HSV	221°, 99%, 81%
XYZ	13.2539, 8.4984, 59.8256
YIQ	63.5250, -83.6800, 29.7600

Conversions

Conversions Part 2

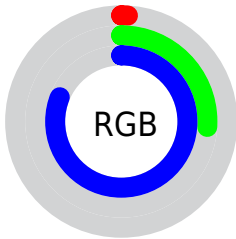
Format	Color
RYB	2, 51, 207
Decimal	148431
CIELab	35.00, 39.45, -75.88
CIELCh	35, 85.523, 297.473
Yxy	8.4984, 0.1625, 0.1042
Android (android.graphics.Color)	4278338511 (0xFF0243CF)
YUV	63.5250, 70.7332, -53.9574
Hunter-Lab	29.1520, 30.1390, -101.2683

Details

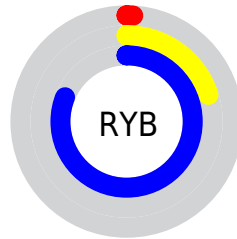
The CIELCh color **35, 85.523, 297.473** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **64, 70.303, 77.185**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 79.886, 296.846**, and **20, 80.945, 303.106** is the 20% darker color. If you saturate the color by 10%, you get **35, 86.371, 297.764**, and if you desaturate by 10%, it is **39, 76.216, 294.023**.

Distribution



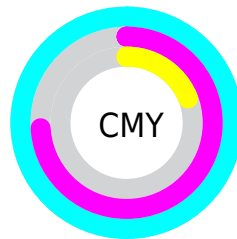
- Red (1%)
- Green (26%)
- Blue (81%)



- Red (1%)
- Yellow (20%)
- Blue (81%)



- Cyan (99%)
- Magenta (68%)
- Yellow (0%)
- Black (19%)





- Cyan (99%)
- Magenta (74%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 85.523, 297.473 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, 85.523, 297.473 by changing the saturation by 10% instead.


 35, 85.523,
297.473


 35, 85.523,
297.473

 100, 85.523,
297.473


 25, 85.523,
297.473

 55, 85.523,
297.473


 15, 85.523,
297.473


 65, 85.523,
297.473

 5, 85.523, 297.473

 75, 85.523,
297.473

 0, 85.523, 297.473

 85, 85.523,
297.473

 95, 85.523,
297.473

■ 35, 85.523,
297.473

■ 35, 85.523,
297.473

■ 35, 86.371,
297.764

■ 39, 76.216,
294.023

■ 43, 66.850,
290.466

■ 48, 57.664,
287.070

■ 53, 48.732,
283.973

■ 58, 40.045,
281.237

■ 63, 31.569,
278.866

■ 68, 23.271,
276.832

■ 73, 15.133,

275.096

■ 78, 7.141, 273.623

Harmonies

Complementary

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



35, 85.523, 297.473



64, 70.303, 77.185

Rectangle

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



35, 85.523, 297.473



35, 85.523, 347.473



35, 85.523, 117.473



35, 85.523, 167.473

Sweetspot

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



35, 85.524, 297.475



81, 28.498, 277.077



74, 62.772, 159.321



41, 19.520, 277.923



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, 85.524, 297.475



43, 102.439, 298.190



26, 112.568, 306.920



41, 4.506, 273.669



28, 72.997, 297.247



4, 20.019, 283.862

Inverse Universe

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



44, 74.116, 19.567



54, 87.550, 20.813



78, 84.105, 112.863



41, 4.853, 355.634



35, 63.617, 19.144



4, 20.561, 4.700

Previews

White Background



This preview shows how the CIE LCh color 35, 85.523, 297.473 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, 85.523, 297.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

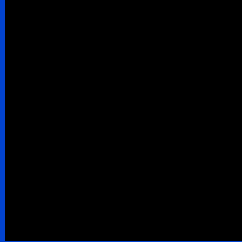
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 85.523, 297.473

Background



This preview shows how black text looks on a background with the CIELCh color 35, 85.523, 297.473.



This preview shows how white text looks on a background with the CIELCh color 35, 85.523, 297.473.

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, 85.531, 297.451

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.101, 271.987



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 85.531, 297.451

Protanomaly
35, 65.720, 291.358

Deuteranomaly
34, 55.126, 286.563

Tritanomaly
34, 35.975, 270.646

Monochromacy



Original Color
35, 85.531, 297.451

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 33.241, 285.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 85.523, 297.473 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(2, 67, 207)` looks like.

```
.text, #text, p{  
    color:rgb(2, 67, 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(2, 67, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 67, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 85.523, 297.473 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(2, 67, 207) }
```

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

```
.border{ border-color:rgb(2, 67, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 67, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 67, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 67, 207);  
box-shadow:4px 4px 4px 4px rgb(2, 67, 207)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 85.523, 297.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 67, 207) }
```

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

```
.background{ background-color: rgb(2, 67,  
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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