

Converting Colors

CIELCh(35, 65.746, 291.021)

Have a look what the booklet for
CIELCh(35, 65.746, 291.021)
contains.

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Color

CIELCh(35, 65.637, 291.099)

Conversions

Conversions Part 1

Format	Color
Hex	004CB6
RGB	0, 76, 182
RGB Percent	0%, 30%, 71%
CMY	1.0000, 0.7028, 0.2873
CMYK	1.00, 0.58, 0.00, 0.29
HSL	215°, 100%, 36%
HSV	215°, 100%, 71%
XYZ	10.9721, 8.4984, 45.1746
YIQ	65.3600, -79.3220, 16.8540

Conversions

Conversions Part 2

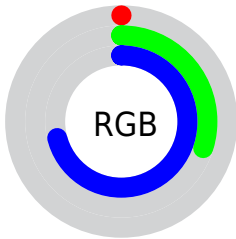
Format	Color
RYB	0, 54, 182
Decimal	19638
CIELab	35.00, 23.63, -61.24
CIELCh	35, 65.637, 291.099
Yxy	8.4984, 0.1697, 0.1315
Android (android.graphics.Color)	4278209718 (0xFF004CB6)
YUV	65.3600, 57.5035, -57.3207
Hunter-Lab	29.1520, 16.1668, -71.4708

Details

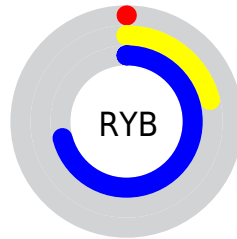
The CIELCh color **35, 65.637, 291.099** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **52, 64.400, 67.877**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 65.798, 291.250**, and **19, 62.844, 298.939** is the 20% darker color. If you saturate the color by 10%, you get **35, 65.630, 291.139**, and if you desaturate by 10%, it is **38, 58.599, 287.178**.

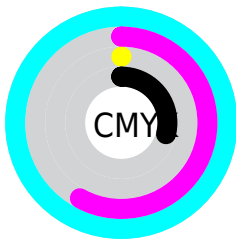
Distribution



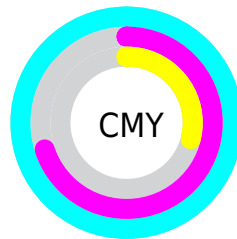
- Red (0%)
- Green (30%)
- Blue (71%)



- Red (0%)
- Yellow (21%)
- Blue (71%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (70%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 65.637, 291.099 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, 65.637, 291.099 by changing the saturation by 10% instead.


 35, 65.637,
291.099


 35, 65.637,
291.099

 100, 65.637,
291.099


 25, 65.637,
291.099

 55, 65.637,
291.099


 15, 65.637,
291.099


 65, 65.637,
291.099

 5, 65.637, 291.099

 75, 65.637,
291.099

 0, 65.637, 291.099

 85, 65.637,
291.099

 95, 65.637,
291.099

■ 35, 65.637,
291.099

■ 35, 65.637,
291.099

■ 35, 65.630,
291.139

■ 38, 58.599,
287.178

■ 42, 51.751,
283.187

■ 45, 45.072,
279.467

■ 49, 38.520,
276.128

■ 53, 32.042,
273.210

■ 57, 25.601,
270.700

■ 61, 19.177,
268.561

■ 66, 12.767,

266.745

■ 70, 6.374, 265.213

Harmonies

Complementary

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



35, 65.637, 291.099



52, 64.400, 67.877

Rectangle

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



35, 65.637, 291.099



35, 65.637, 341.099



35, 65.637, 111.099



35, 65.637, 161.099

Sweetspot

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



35, 65.630, 291.139



78, 23.810, 268.662



65, 64.226, 152.786



40, 16.384, 269.527



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



35, 65.630, 291.139



46, 81.574, 291.865



22, 103.423, 306.490



37, 3.641, 265.122



30, 57.764, 290.616



3, 11.015, 273.224

Inverse Universe

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



39, 65.595, 9.953



51, 80.175, 10.917



71, 75.398, 106.949



36, 4.615, 349.156



33, 58.434, 9.277



2, 11.708, 355.477

Previews

White Background



This preview shows how the CIELCh color 35, 65.637, 291.099 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, 65.637, 291.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

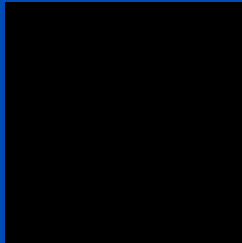
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 65.637, 291.099

Background



This preview shows how black text looks on a background with the CIELCh color 35, 65.637, 291.099.



This preview shows how white text looks on a background with the CIELCh color 35, 65.637, 291.099.

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, 65.637, 291.099

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 39.158, 273.159



Tritanopia
35, 23.141, 204.408

Trichromacy



Original Color
35, 65.637, 291.099

Protanomaly
35, 59.160, 288.304

Deuteranomaly
35, 48.048, 281.538

Tritanomaly
34, 30.266, 259.429

Monochromacy



Original Color
35, 65.637, 291.099

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 25.394, 275.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 65.637, 291.099 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(0, 76, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 182)  
}
```

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(0, 76, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 65.637, 291.099 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(0, 76, 182) }
```

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

```
.border{ border-color:rgb(0, 76, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 182)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 65.637, 291.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 182) }
```

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

```
.background{ background-color: rgb(0, 76,  
182) }
```

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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