

Converting Colors

CIELCh(36, 82.913, 296.706)

Have a look what the booklet for
CIELCh(36, 82.913, 296.706)
contains.

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Color

CIELCh(36, 82.339, 296.516)

Conversions

Conversions Part 1

Format	Color
Hex	0B47CE
RGB	11, 71, 206
RGB Percent	4%, 28%, 81%
CMY	0.9560, 0.7221, 0.1929
CMYK	0.95, 0.66, 0.00, 0.19
HSL	222°, 90%, 43%
HSV	222°, 95%, 81%
XYZ	13.5033, 9.0082, 59.3050
YIQ	68.4500, -79.0950, 29.2650

Conversions

Conversions Part 2

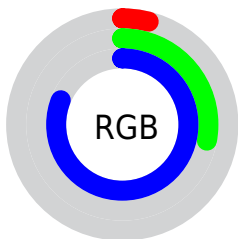
Format	Color
RYB	11, 57, 206
Decimal	739278
CIELab	36.00, 36.76, -73.68
CIELCh	36, 82.339, 296.516
Yxy	9.0082, 0.1650, 0.1101
Android (android.graphics.Color)	4278929358 (0xFF0B47CE)
YUV	68.4500, 67.8122, -50.3837
Hunter-Lab	30.0136, 27.7846, -96.1438

Details

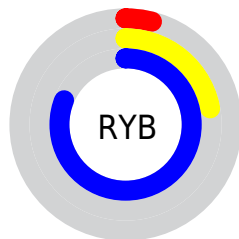
The CIELCh color **36, 82.339, 296.516** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65, 69.071, 79.214**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 77.408, 295.932**, and **20, 78.238, 302.230** is the 20% darker color. If you saturate the color by 10%, you get **34, 87.409, 298.286**, and if you desaturate by 10%, it is **40, 72.862, 293.023**.

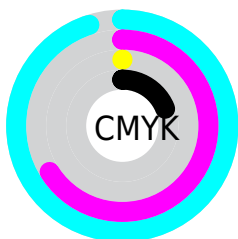
Distribution



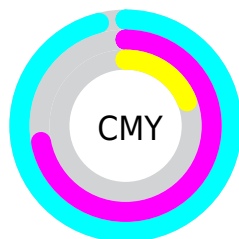
- Red (4%)
- Green (28%)
- Blue (81%)



- Red (4%)
- Yellow (22%)
- Blue (81%)



- Cyan (95%)
- Magenta (66%)
- Yellow (0%)
- Black (19%)





- Cyan (96%)
- Magenta (72%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 82.339, 296.516 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 36, 82.339, 296.516 by changing the saturation by 10% instead.


 36, 82.339,
296.516


 36, 82.339,
296.516

 100, 82.339,
296.516


 26, 82.339,
296.516

 56, 82.339,
296.516


 16, 82.339,
296.516


 66, 82.339,
296.516

 6, 82.339, 296.516

 76, 82.339,
296.516

 0, 82.339, 296.516

 86, 82.339,
296.516

 96, 82.339,
296.516

■ 36, 82.339,
296.516

■ 36, 82.339,
296.516

■ 34, 87.409,
298.286

■ 40, 72.862,
293.023

■ 45, 63.421,
289.560

■ 49, 54.204,
286.321

■ 54, 45.253,
283.410

■ 59, 36.546,
280.861

■ 65, 28.049,
278.664

■ 70, 19.735,
276.783

■ 75, 11.586,

275.179

■ 80, 3.592, 273.841

Harmonies

Complementary

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



36, 82.339, 296.516



65, 69.071, 79.214

Rectangle

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



36, 82.339, 296.516



36, 82.339, 346.516



36, 82.339, 116.516



36, 82.339, 166.516

Sweetspot

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



36, 82.340, 296.517



83, 26.888, 277.464



74, 59.896, 161.556



41, 18.643, 278.298



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 82.340, 296.517



42, 104.046, 298.711



28, 109.645, 306.947



40, 4.466, 274.452



27, 73.240, 297.748



4, 18.644, 283.200

Inverse Universe

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



44, 72.522, 18.060



54, 88.001, 21.770



78, 83.090, 113.503



40, 4.729, 356.345



35, 63.165, 20.021



4, 18.578, 4.578

Previews

White Background



This preview shows how the CIE LCh color 36, 82.339, 296.516 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 36, 82.339, 296.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

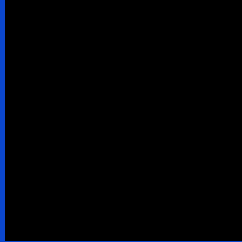
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 82.339, 296.516

Background



This preview shows how black text looks on a background with the CIELCh color 36, 82.339, 296.516.



This preview shows how white text looks on a background with the CIELCh color 36, 82.339, 296.516.

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

36, 82.347, 296.490

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 23.498, 204.256

Trichromacy



Original Color
36, 82.347, 296.490

Protanomaly
36, 66.092, 291.210

Deuteranomaly
35, 54.322, 285.639

Tritanomaly
35, 34.932, 268.069

Monochromacy



Original Color
36, 82.347, 296.490

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 31.647, 283.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 82.339, 296.516 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(11, 71, 206)` looks like.

```
.text, #text, p{  
    color:rgb(11, 71, 206)  
}
```

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(11, 71, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 71, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 82.339, 296.516 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(11, 71, 206) }
```

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

```
.border{ border-color:rgb(11, 71, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 71, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 71, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 71, 206);  
box-shadow:4px 4px 4px 4px rgb(11, 71,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 82.339, 296.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 71, 206) }
```

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

```
.background{ background-color: rgb(11, 71,  
206) }
```

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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