

Converting Colors

CIELCh(37, 90.230, 297.749)

Have a look what the booklet for
CIELCh(37, 90.230, 297.749)
contains.

CIELCh(37, 90.119, 297.764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 90.119, 297.764)

Conversions

Conversions Part 1

Format	Color
Hex	0246DB
RGB	2, 70, 219
RGB Percent	1%, 27%, 86%
CMY	0.9917, 0.7249, 0.1404
CMYK	0.99, 0.68, 0.00, 0.14
HSL	221°, 98%, 43%
HSV	221°, 99%, 86%
XYZ	15.0378, 9.5379, 68.2020
YIQ	66.6540, -88.3570, 31.9230

Conversions

Conversions Part 2

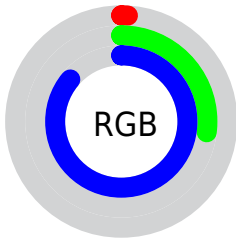
Format	Color
RYB	2, 54, 219
Decimal	149211
CIELab	37.00, 41.98, -79.74
CIElCh	37, 90.119, 297.764
Yxy	9.5379, 0.1621, 0.1028
Android (android.graphics.Color)	4278339291 (0xFF0246DB)
YUV	66.6540, 75.1066, -56.7016
Hunter-Lab	30.8835, 32.8693, -109.3154

Details

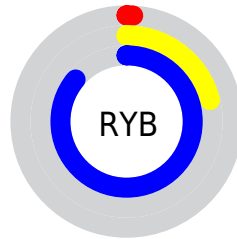
The CIELCh color **37, 90.119, 297.764** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **67, 73.479, 77.417**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 77.992, 296.498**, and **22, 85.537, 303.077** is the 20% darker color. If you saturate the color by 10%, you get **37, 91.051, 298.069**, and if you desaturate by 10%, it is **41, 80.332, 294.322**.

Distribution



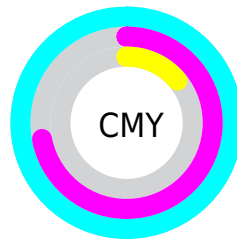
- Red (1%)
- Green (27%)
- Blue (86%)



- Red (1%)
- Yellow (21%)
- Blue (86%)



- Cyan (99%)
- Magenta (68%)
- Yellow (0%)
- Black (14%)




- Cyan (99%)
- Magenta (72%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 90.119, 297.764 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 37, 90.119, 297.764 by changing the saturation by 10% instead.


 37, 90.119,
297.764


 37, 90.119,
297.764

 100, 90.119,
297.764


 27, 90.119,
297.764

 57, 90.119,
297.764


 17, 90.119,
297.764


 67, 90.119,
297.764

 7, 90.119, 297.764

 77, 90.119,
297.764

 0, 90.119, 297.764

 87, 90.119,
297.764

 97, 90.119,
297.764

■ 37, 90.119,
297.764

■ 37, 90.119,
297.764

■ 37, 91.051,
298.069

■ 41, 80.332,
294.322

■ 45, 70.452,
290.768

■ 50, 60.752,
287.366

■ 55, 51.321,
284.260

■ 61, 42.154,
281.516

■ 66, 33.213,
279.138

■ 72, 24.468,
277.099

■ 77, 15.894,

275.359

■ 83, 7.479, 273.883

Harmonies

Complementary

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



37, 90.119, 297.764



67, 73.479, 77.417

Rectangle

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



37, 90.119, 297.764



37, 90.119, 347.764



37, 90.119, 117.764



37, 90.119, 167.764

Sweetspot

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



37, 90.120, 297.766



81, 28.618, 277.331



78, 64.322, 160.494



41, 19.604, 278.176



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 90.120, 297.766



43, 102.970, 298.364



29, 117.436, 307.028



43, 4.704, 273.937



29, 75.198, 297.509



5, 23.118, 286.284

Inverse Universe

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



46, 77.630, 20.079



54, 87.696, 21.130



82, 88.201, 113.833



43, 5.038, 355.874



36, 65.174, 19.601



6, 23.935, 6.236

Previews

White Background



This preview shows how the CIE LCh color 37, 90.119, 297.764 looks on a white background.

Color Contrast Check

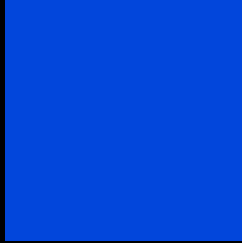
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 90.119, 297.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

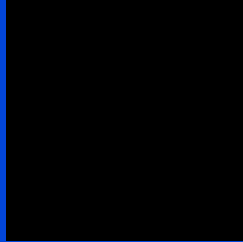
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 90.119, 297.764

Background



This preview shows how black text looks on a background with the CIELCh color 37, 90.119, 297.764.



This preview shows how white text looks on a background with the CIELCh color 37, 90.119, 297.764.

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

37, 90.112, 297.783

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 39.670, 272.364



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 90.112, 297.783

Protanomaly
37, 69.341, 291.743

Deuteranomaly
36, 57.706, 286.863

Tritanomaly
36, 38.085, 271.368

Monochromacy



Original Color
37, 90.112, 297.783

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 34.860, 284.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 90.119, 297.764 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, 70, 219)` looks like.

```
.text, #text, p{  
    color:rgb(2, 70, 219)  
}
```

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, 70, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 70, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 90.119, 297.764 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, 70, 219) }
```

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

```
.border{ border-color:rgb(2, 70, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 70, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 70, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 70, 219);  
box-shadow:4px 4px 4px 4px rgb(2, 70, 219)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 90.119, 297.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 70, 219) }
```

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

```
.background{ background-color: rgb(2, 70,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor