

Converting Colors

CIELCh(37, 93.787, 298.510)

Have a look what the booklet for
CIELCh(37, 93.787, 298.510)
contains.

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Color

CIELCh(37, 94.040, 298.606)

Conversions

Conversions Part 1

Format	Color
Hex	0144E0
RGB	1, 68, 224
RGB Percent	0%, 27%, 88%
CMY	0.9972, 0.7330, 0.1211
CMYK	1.00, 0.70, 0.00, 0.12
HSL	222°, 99%, 44%
HSV	222°, 100%, 88%
XYZ	15.5515, 9.5379, 71.6258
YIQ	65.7510, -90.0080, 34.3120

Conversions

Conversions Part 2

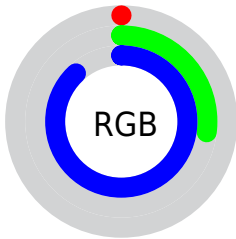
Format	Color
R_{YB}	1, 53, 224
Decimal	83168
CIE _{Lab}	37.00, 45.02, -82.56
CIE _{LCh}	37, 94.040, 298.606
Yxy	9.5379, 0.1608, 0.0986
Android (android.graphics.Color)	4278273248 (0xFF0144E0)
YUV	65.7510, 78.0168, -56.7866
Hunter-Lab	30.8835, 35.8381, -115.8883

Details

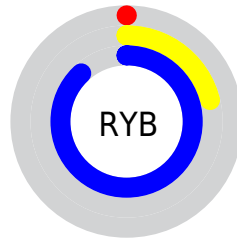
The CIELCh color **37, 94.040, 298.606** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **69, 75.000, 78.353**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 79.192, 297.316**, and **22, 88.550, 303.571** is the 20% darker color. If you saturate the color by 10%, you get **37, 94.357, 298.705**, and if you desaturate by 10%, it is **41, 83.977, 295.264**.

Distribution



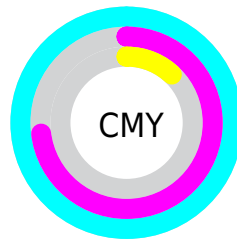
- Red (0%)
- Green (27%)
- Blue (88%)



- Red (0%)
- Yellow (21%)
- Blue (88%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (73%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 94.040, 298.606 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, 94.040, 298.606 by changing the saturation by 10% instead.

 37, 94.040,
298.606

 37, 94.040,
298.606

 100, 94.040,
298.606

 27, 94.040,
298.606

 57, 94.040,
298.606


 17, 94.040,
298.606

 67, 94.040,
298.606

 7, 94.040, 298.606

 77, 94.040,
298.606

 0, 94.040, 298.606

 87, 94.040,
298.606

 97, 94.040,
298.606

■ 37, 94.040,
298.606

■ 37, 94.040,
298.606

■ 37, 94.357,
298.705

■ 41, 83.977,
295.264

■ 46, 73.722,
291.761

■ 51, 63.611,
288.380

■ 56, 53.777,
285.278

■ 61, 44.228,
282.527

■ 67, 34.933,
280.140

■ 72, 25.857,
278.092

■ 78, 16.976,

276.343

■ 84, 8.272, 274.857

Harmonies

Complementary

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



37, 94.040, 298.606



69, 75.000, 78.353

Rectangle

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



37, 94.040, 298.606



37, 94.040, 348.606



37, 94.040, 118.606



37, 94.040, 168.606

Sweetspot

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



37, 94.041, 298.607



81, 29.038, 278.194



79, 65.648, 160.324



41, 19.898, 279.032



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, 94.041, 298.607



42, 104.789, 298.947



29, 119.768, 307.037



44, 4.857, 274.826



29, 77.466, 298.153



5, 24.915, 287.951

Inverse Universe

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



47, 79.681, 21.586



54, 88.220, 22.211



84, 89.840, 113.889



44, 5.104, 356.692



37, 66.257, 20.747



6, 25.362, 7.613

Previews

White Background



This preview shows how the CIE LCh color 37, 94.040, 298.606 looks on a white background.

Color Contrast Check

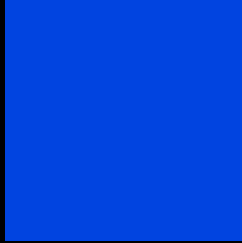
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.040, 298.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

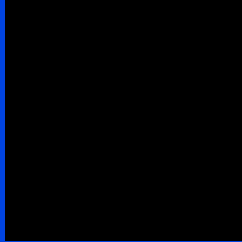
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 94.040, 298.606

Background



This preview shows how black text looks on a background with the CIELCh color 37, 94.040, 298.606.



This preview shows how white text looks on a background with the CIELCh color 37, 94.040, 298.606.

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, 94.033, 298.623

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 39.670, 272.364



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 94.033, 298.623

Protanomaly
37, 70.570, 292.252

Deuteranomaly
36, 59.500, 287.811

Tritanomaly
35, 39.153, 272.814

Monochromacy



Original Color
37, 94.033, 298.623

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 36.147, 285.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 94.040, 298.606 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(1, 68, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 68, 224)  
}
```

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(1, 68, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 68, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 94.040, 298.606 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(1, 68, 224) }
```

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

```
.border{ border-color:rgb(1, 68, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 68, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 68, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 68, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 68, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 94.040, 298.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 68, 224) }
```

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

```
.background{ background-color: rgb(1, 68,  
224) }
```

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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