

Converting Colors

CIELCh(37, 103.938, 301.057)

Have a look what the booklet for
CIELCh(37, 103.938, 301.057)
contains.

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Color

CIELCh(37, 104.210, 301.099)

Conversions

Conversions Part 1

Format	Color
Hex	163DEC
RGB	22, 61, 236
RGB Percent	9%, 24%, 93%
CMY	0.9156, 0.7612, 0.0751
CMYK	0.91, 0.74, 0.00, 0.08
HSL	229°, 85%, 50%
HSV	229°, 91%, 92%
XYZ	17.1019, 9.5379, 80.1879
YIQ	69.2890, -79.4190, 46.1570

Conversions

Conversions Part 2

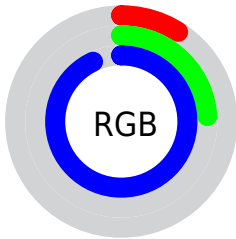
Format	Color
R_{YB}	22, 55, 236
Decimal	1457644
CIE _{Lab}	37.00, 53.83, -89.23
CIE _{LCh}	37, 104.210, 301.099
Yxy	9.5379, 0.1601, 0.0893
Android (android.graphics.Color)	4279647724 (0xFF163DEC)
YUV	69.2890, 82.1885, -41.4725
Hunter-Lab	30.8835, 44.7990, -132.3258

Details

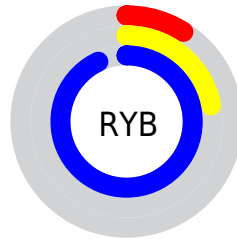
The CIELCh color **37, 104.210, 301.099** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **80, 79.345, 90.330**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 82.760, 299.943**, and **22, 98.323, 305.104** is the 20% darker color. If you saturate the color by 10%, you get **34, 113.640, 303.323**, and if you desaturate by 10%, it is **42, 92.298, 298.252**.

Distribution



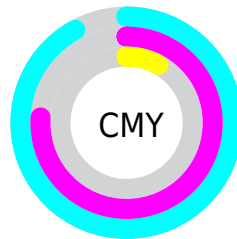
- Red (9%)
- Green (24%)
- Blue (93%)



- Red (9%)
- Yellow (22%)
- Blue (93%)



- Cyan (91%)
- Magenta (74%)
- Yellow (0%)
- Black (8%)





- Cyan (92%)
- Magenta (76%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 104.210, 301.099 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 37, 104.210, 301.099 by changing the saturation by 10% instead.


 37, 104.210,
301.099


 37, 104.210,
301.099


 100, 104.210,
301.099


 27, 104.210,
301.099


 57, 104.210,
301.099


 17, 104.210,
301.099


 67, 104.210,
301.099

 7, 104.210,
301.099

 77, 104.210,
301.099

 0, 104.210,
301.099

 87, 104.210,
301.099

 97, 104.210,
301.099

■ 37, 104.210,
301.099

■ 37, 104.210,
301.099

■ 34, 113.640,
303.323

■ 42, 92.298,
298.252

■ 47, 79.797,
295.303

■ 53, 67.376,
292.484

■ 60, 55.309,
289.928

■ 66, 43.666,
287.684

■ 73, 32.435,
285.749

■ 80, 21.582,
284.096

■ 86, 11.076,

282.689

■ 93, 0.888, 281.653

Harmonies

Complementary

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



37, 104.210, 301.099



80, 79.345, 90.330

Rectangle

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



37, 104.210, 301.099



37, 104.210, 351.099



37, 104.210, 121.099



37, 104.210, 171.099

Sweetspot

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



37, 104.211, 301.100



81, 30.033, 285.096



84, 56.860, 172.218



41, 20.350, 285.690



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, 104.211, 301.100



36, 120.954, 303.421



35, 117.598, 308.370



46, 5.749, 282.509



25, 91.954, 302.918



4, 31.216, 294.005

Inverse Universe

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



50, 83.688, 26.793



53, 94.955, 31.789



86, 93.791, 119.187



46, 5.041, 5.321



38, 72.583, 30.570



7, 27.938, 15.139

Previews

White Background



This preview shows how the CIELCh color 37, 104.210, 301.099 looks on a white background.

Color Contrast Check

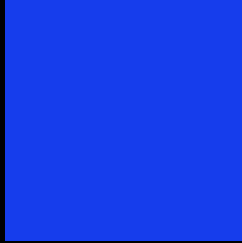
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 104.210, 301.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

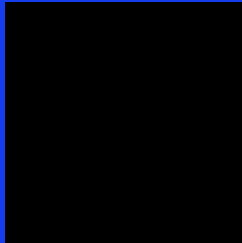
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 104.210, 301.099

Background



This preview shows how black text looks on a background with the CIELCh color 37, 104.210, 301.099.



This preview shows how white text looks on a background with the CIELCh color 37, 104.210, 301.099.

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

37, 104.210, 301.099

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 104.210, 301.099

Protanomaly
36, 74.749, 294.131

Deuteranomaly
36, 63.034, 289.938

Tritanomaly
35, 42.870, 278.043

Monochromacy



Original Color
37, 104.210, 301.099

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 40.832, 291.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 104.210, 301.099 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(22, 61, 236)` looks like.

```
.text, #text, p{  
    color:rgb(22, 61, 236)  
}
```

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(22, 61, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 61, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 104.210, 301.099 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(22, 61, 236) }
```

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

```
.border{ border-color:rgb(22, 61, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 61, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 61, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 61, 236);  
box-shadow:4px 4px 4px 4px rgb(22, 61,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 104.210, 301.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 61, 236) }
```

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

```
.background{ background-color: rgb(22, 61,  
236) }
```

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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