

Converting Colors

CIELCh(35, 72.848, 286.929)

Have a look what the booklet for
CIELCh(35, 72.848, 286.929)
contains.

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Color

CIELCh(37, 71.606, 292.372)

Conversions

Conversions Part 1

Format	Color
Hex	004FC4
RGB	0, 79, 196
RGB Percent	0%, 31%, 77%
CMY	1.0000, 0.6909, 0.2322
CMYK	1.00, 0.60, 0.00, 0.23
HSL	216°, 100%, 38%
HSV	216°, 100%, 77%
XYZ	12.7126, 9.5379, 53.2725
YIQ	68.7170, -84.6410, 19.6390

Conversions

Conversions Part 2

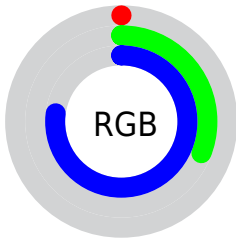
Format	Color
R_{YB}	0, 56, 196
Decimal	20420
CIE _{Lab}	37.00, 27.25, -66.22
CIE _{LCh}	37, 71.606, 292.372
Yxy	9.5379, 0.1683, 0.1263
Android (android.graphics.Color)	4278210500 (0xFF004FC4)
YUV	68.7170, 62.7505, -60.2648
Hunter-Lab	30.8835, 19.4300, -80.6537

Details

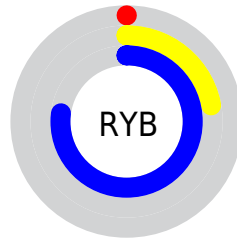
The CIELCh color **37, 71.606, 292.372** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **57, 67.920, 69.003**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 72.074, 292.586**, and **21, 68.992, 299.701** is the 20% darker color. If you saturate the color by 10%, you get **37, 71.601, 292.400**, and if you desaturate by 10%, it is **40, 63.886, 288.488**.

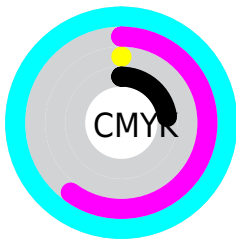
Distribution



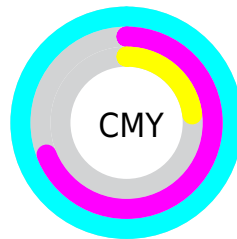
- Red (0%)
- Green (31%)
- Blue (77%)



- Red (0%)
- Yellow (22%)
- Blue (77%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (69%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 71.606, 292.372 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, 71.606, 292.372 by changing the saturation by 10% instead.


 37, 71.606,
292.372


 37, 71.606,
292.372

 100, 71.606,
292.372


 27, 71.606,
292.372

 57, 71.606,
292.372


 17, 71.606,
292.372


 67, 71.606,
292.372

 7, 71.606, 292.372

 77, 71.606,
292.372

 0, 71.606, 292.372

 87, 71.606,
292.372

 97, 71.606,
292.372

■ 37, 71.606,
292.372

■ 37, 71.606,
292.372

■ 37, 71.601,
292.400

■ 40, 63.886,
288.488

■ 44, 56.345,
284.535

■ 48, 48.996,
280.831

■ 52, 41.805,
277.497

■ 57, 34.720,
274.576

■ 61, 27.700,
272.061

■ 66, 20.722,
269.916

■ 70, 13.778,

268.093

■ 75, 6.871, 266.553

Harmonies

Complementary

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



37, 71.606, 292.372



57, 67.920, 69.003

Rectangle

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



37, 71.606, 292.372



37, 71.606, 342.372



37, 71.606, 112.372



37, 71.606, 162.372

Sweetspot

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



37, 71.601, 292.400



83, 25.682, 270.009



70, 66.785, 153.646



42, 17.541, 270.893



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, 71.601, 292.400



48, 88.832, 293.054



24, 109.248, 306.532



39, 3.862, 266.465



30, 60.879, 291.784



4, 14.163, 276.269

Inverse Universe

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



42, 69.513, 11.647



54, 84.958, 12.563



75, 79.841, 107.982



38, 4.784, 350.043



34, 59.948, 10.807



3, 15.115, 358.013

Previews

White Background



This preview shows how the CIE LCh color 37, 71.606, 292.372 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, 71.606, 292.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

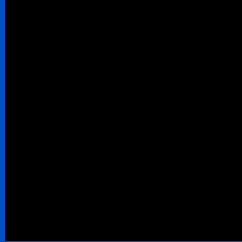
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 71.606, 292.372

Background



This preview shows how black text looks on a background with the CIELCh color 37, 71.606, 292.372.



This preview shows how white text looks on a background with the CIELCh color 37, 71.606, 292.372.

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, 71.606, 292.372

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 40.722, 273.473



Tritanopia
37, 24.032, 204.038

Trichromacy



Original Color
37, 71.606, 292.372

Protanomaly
37, 62.842, 288.941

Deuteranomaly
37, 51.847, 283.130

Tritanomaly
36, 32.275, 261.481

Monochromacy



Original Color
37, 71.606, 292.372

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 27.600, 276.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 71.606, 292.372 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, 79, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 196)  
}
```

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, 79, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 71.606, 292.372 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, 79, 196) }
```

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

```
.border{ border-color:rgb(0, 79, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 79, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 79, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 79, 196)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 71.606, 292.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 196) }
```

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

```
.background{ background-color: rgb(0, 79,  
196) }
```

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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