

Converting Colors

CIELCh(37, 77.406, 294.344)

Have a look what the booklet for
CIELCh(37, 77.406, 294.344)
contains.

CIELCh(37, 77.492, 294.419)	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, 77.492, 294.419)

Conversions

Conversions Part 1

Format	Color
Hex	024CCB
RGB	2, 76, 203
RGB Percent	1%, 30%, 80%
CMY	0.9909, 0.7011, 0.2029
CMYK	0.99, 0.63, 0.00, 0.20
HSL	218°, 98%, 40%
HSV	218°, 99%, 80%
XYZ	13.4391, 9.5379, 57.8000
YIQ	68.3520, -84.8710, 23.8090

Conversions

Conversions Part 2

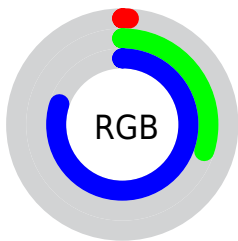
Format	Color
RYB	2, 56, 203
Decimal	150731
CIELab	37.00, 32.04, -70.56
CIELCh	37, 77.492, 294.419
Yxy	9.5379, 0.1664, 0.1181
Android (android.graphics.Color)	4278340811 (0xFF024CCB)
YUV	68.3520, 66.3815, -58.1907
Hunter-Lab	30.8835, 23.6291, -89.3456

Details

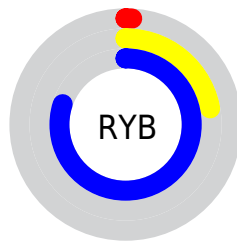
The CIELCh color **37, 77.492, 294.419** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **60, 69.215, 72.458**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 74.391, 294.061**, and **21, 74.179, 300.887** is the 20% darker color. If you saturate the color by 10%, you get **37, 78.462, 294.815**, and if you desaturate by 10%, it is **41, 68.990, 290.658**.

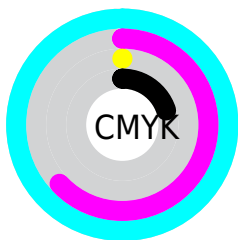
Distribution



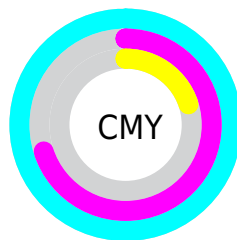
- Red (1%)
- Green (30%)
- Blue (80%)



- Red (1%)
- Yellow (22%)
- Blue (80%)



- Cyan (99%)
- Magenta (63%)
- Yellow (0%)
- Black (20%)



- Cyan (99%)
- Magenta (70%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 77.492, 294.419 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, 77.492, 294.419 by changing the saturation by 10% instead.

 37, 77.492,
294.419

 37, 77.492,
294.419

 100, 77.492,
294.419

 27, 77.492,
294.419

 57, 77.492,
294.419

 17, 77.492,
294.419


 67, 77.492,
294.419

 7, 77.492, 294.419

 77, 77.492,
294.419

 0, 77.492, 294.419

 87, 77.492,
294.419

 97, 77.492,
294.419

■ 37, 77.492,
294.419

■ 37, 77.492,
294.419

■ 37, 78.462,
294.815

■ 41, 68.990,
290.658

■ 45, 60.610,
286.871

■ 49, 52.438,
283.308

■ 54, 44.472,
280.092

■ 58, 36.671,
277.269

■ 63, 28.994,
274.833

■ 68, 21.414,
272.751

■ 73, 13.920,

270.978

■ 77, 6.508, 269.479

Harmonies

Complementary

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



37, 77.492, 294.419



60, 69.215, 72.458

Rectangle

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



37, 77.492, 294.419



37, 77.492, 344.419



37, 77.492, 114.419



37, 77.492, 164.419

Sweetspot

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



37, 77.493, 294.421



82, 26.777, 273.049



72, 65.727, 155.929



41, 18.311, 273.919



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, 77.493, 294.421



46, 94.402, 295.331



26, 111.532, 306.603



40, 4.178, 269.552



30, 66.383, 294.238



4, 17.598, 280.333

Inverse Universe

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



43, 71.772, 14.599



54, 85.760, 15.977



78, 82.242, 109.952



40, 4.889, 352.251



35, 61.800, 14.294



4, 18.888, 1.343

Previews

White Background



This preview shows how the CIE LCh color 37, 77.492, 294.419 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, 77.492, 294.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

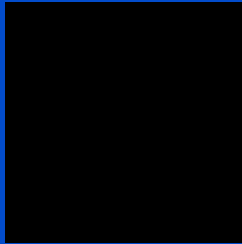
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 77.492, 294.419

Background



This preview shows how black text looks on a background with the CIELCh color 37, 77.492, 294.419.



This preview shows how white text looks on a background with the CIELCh color 37, 77.492, 294.419.

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, 77.486, 294.445

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 40.722, 273.473



Tritanopia
37, 24.032, 204.038

Trichromacy



Original Color
37, 77.486, 294.445

Protanomaly
37, 65.193, 290.029

Deuteranomaly
37, 54.159, 284.694

Tritanomaly
36, 34.093, 265.189

Monochromacy



Original Color
37, 77.486, 294.445

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 29.890, 279.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 77.492, 294.419 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, 76, 203)` looks like.

```
.text, #text, p{  
    color:rgb(2, 76, 203)  
}
```

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, 76, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 76, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 77.492, 294.419 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, 76, 203) }
```

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

```
.border{ border-color:rgb(2, 76, 203) }
```

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

Here you see how a box with a 4 pixel rgb(2, 76, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 76, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 76, 203);  
box-shadow:4px 4px 4px 4px rgb(2, 76, 203)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 77.492, 294.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 76, 203) }
```

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

```
.background{ background-color: rgb(2, 76,  
203) }
```

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