

Converting Colors

CIELCh(32, 78.909, 288.202)

Have a look what the booklet for
CIELCh(32, 78.909, 288.202)
contains.

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Color

CIELCh(35, 77.431, 295.188)

Conversions

Conversions Part 1

Format	Color
Hex	0047C5
RGB	0, 71, 197
RGB Percent	0%, 28%, 77%
CMY	1.0000, 0.7223, 0.2283
CMYK	1.00, 0.64, 0.00, 0.23
HSL	218°, 100%, 39%
HSV	218°, 100%, 77%
XYZ	12.2819, 8.4984, 53.6832
YIQ	64.1350, -82.7620, 24.1340

Conversions

Conversions Part 2

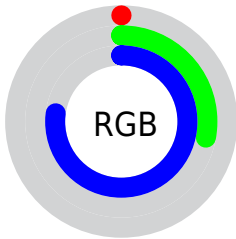
Format	Color
RYB	0, 52, 197
Decimal	18373
CIELab	35.00, 32.95, -70.07
CIELCh	35, 77.431, 295.188
Yxy	8.4984, 0.1649, 0.1141
Android (android.graphics.Color)	4278208453 (0xFF0047C5)
YUV	64.1350, 65.5024, -56.2464
Hunter-Lab	29.1520, 24.1868, -88.7757

Details

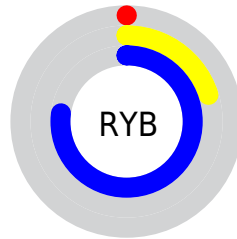
The CIELCh color **35, 77.431, 295.188** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **59, 67.884, 72.992**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 77.490, 295.209**, and **19, 73.941, 301.726** is the 20% darker color. If you saturate the color by 10%, you get **35, 77.425, 295.216**, and if you desaturate by 10%, it is **39, 69.024, 291.553**.

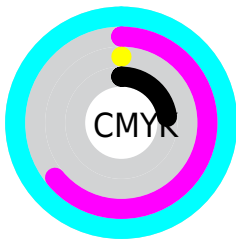
Distribution



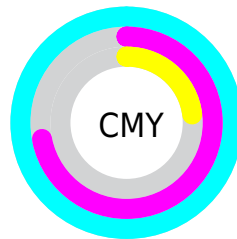
- Red (0%)
- Green (28%)
- Blue (77%)



- Red (0%)
- Yellow (20%)
- Blue (77%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (23%)




- Cyan (100%)
- Magenta (72%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 77.431, 295.188 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 35, 77.431, 295.188 by changing the saturation by 10% instead.


 35, 77.431,
295.188

 35, 77.431,
295.188

 100, 77.431,
295.188


 25, 77.431,
295.188

 55, 77.431,
295.188


 15, 77.431,
295.188

 65, 77.431,
295.188

 5, 77.431, 295.188

 75, 77.431,
295.188

 0, 77.431, 295.188

 85, 77.431,
295.188

 95, 77.431,
295.188

■ 35, 77.431,
295.188

■ 35, 77.431,
295.188

■ 35, 77.425,
295.216

■ 39, 69.024,
291.553

■ 43, 60.712,
287.799

■ 47, 52.598,
284.243

■ 51, 44.695,
281.017

■ 56, 36.968,
278.175

■ 60, 29.378,
275.717

■ 65, 21.898,
273.612

■ 70, 14.512,

271.818

■ 75, 7.215, 270.296

Harmonies

Complementary

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



35, 77.431, 295.188



59, 67.884, 72.992

Rectangle

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



35, 77.431, 295.188



35, 77.431, 345.188



35, 77.431, 115.188



35, 77.431, 165.188

Sweetspot

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



35, 77.425, 295.216



82, 27.034, 273.702



70, 63.216, 156.847



41, 18.492, 274.569



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 77.425, 295.216



45, 95.655, 295.807



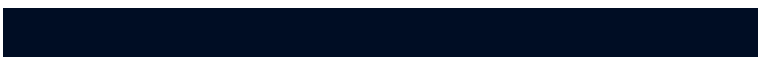
24, 109.254, 306.766



39, 4.126, 270.212



29, 66.417, 294.682



4, 16.255, 279.664

Inverse Universe

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



42, 70.516, 15.797



54, 85.989, 16.738



75, 80.721, 110.962



39, 4.767, 352.757



34, 61.217, 14.968



4, 16.805, 1.110

Previews

White Background



This preview shows how the CIE LCh color 35, 77.431, 295.188 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 35, 77.431, 295.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

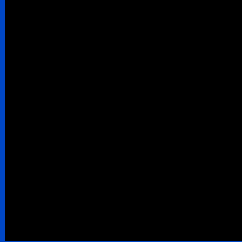
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 77.431, 295.188

Background



This preview shows how black text looks on a background with the CIELCh color 35, 77.431, 295.188.



This preview shows how white text looks on a background with the CIELCh color 35, 77.431, 295.188.

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


35, 77.431, 295.188

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 38.101, 271.987



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 77.431, 295.188

Protanomaly
35, 63.346, 290.318

Deuteranomaly
35, 52.134, 284.505

Tritanomaly
34, 33.487, 266.217

Monochromacy



Original Color
35, 77.431, 295.188

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 30.140, 281.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 77.431, 295.188 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, 71, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 197)  
}
```

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, 71, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 77.431, 295.188 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, 71, 197) }
```

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

```
.border{ border-color:rgb(0, 71, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 71, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 71, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 71, 197)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 77.431, 295.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 197) }
```

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

```
.background{ background-color: rgb(0, 71,  
197) }
```

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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