

Converting Colors

CIELCh(29, 88.664, 300.543)

Have a look what the booklet for
CIELCh(29, 88.664, 300.543)
contains.

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Color

CIELCh(29, 88.802, 300.623)

Conversions

Conversions Part 1

Format	Color
Hex	0030BF
RGB	0, 48, 191
RGB Percent	0%, 19%, 75%
CMY	1.0000, 0.8126, 0.2520
CMYK	1.00, 0.75, 0.00, 0.25
HSL	225°, 100%, 37%
HSV	225°, 100%, 75%
XYZ	10.4067, 5.8380, 49.7122
YIQ	49.9500, -74.5110, 34.2970

Conversions

Conversions Part 2

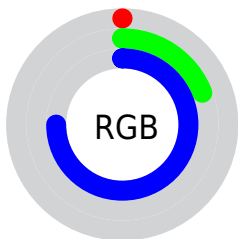
Format	Color
R_{YB}	0, 38, 191
Decimal	12479
CIE _{Lab}	29.00, 45.23, -76.42
CIE _{LCh}	29, 88.802, 300.623
Yxy	5.8380, 0.1578, 0.0885
Android (android.graphics.Color)	4278202559 (0xFF0030BF)
YUV	49.9500, 69.5376, -43.8062
Hunter-Lab	24.1619, 34.5976, -105.0735

Details

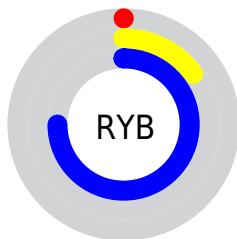
The CIELCh color **29, 88.802, 300.623** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **62, 67.364, 83.316**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 89.015, 300.636**, and **15, 81.211, 305.397** is the 20% darker color. If you saturate the color by 10%, you get **29, 88.789, 300.652**, and if you desaturate by 10%, it is **33, 79.621, 297.690**.

Distribution



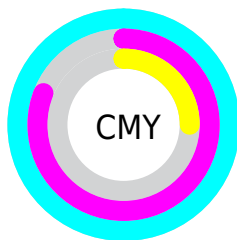
- Red (0%)
- Green (19%)
- Blue (75%)



- Red (0%)
- Yellow (15%)
- Blue (75%)



- Cyan (100%)
- Magenta (75%)
- Yellow (0%)
- Black (25%)




- Cyan (100%)
- Magenta (81%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 88.802, 300.623 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 29, 88.802, 300.623 by changing the saturation by 10% instead.

 29, 88.802,
300.623

 29, 88.802,
300.623

 100, 88.802,
300.623

 19, 88.802,
300.623

 49, 88.802,
300.623

 9, 88.802, 300.623

 59, 88.802,
300.623

 0, 88.802, 300.623

 69, 88.802,
300.623

 79, 88.802,
300.623

 89, 88.802,
300.623

 99, 88.802,

300.623

■ 29, 88.802,
300.623

■ 29, 88.802,
300.623

■ 29, 88.789,
300.652

■ 33, 79.621,
297.690

■ 37, 69.980,
294.477

■ 41, 60.340,
291.324

■ 46, 50.929,
288.401

■ 51, 41.812,
285.793

■ 56, 32.981,
283.518

■ 62, 24.408,
281.559

■ 67, 16.068,
279.882

■ 72, 7.939, 278.454

Harmonies

Complementary

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



29, 88.802, 300.623



62, 67.364, 83.316

Rectangle

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



29, 88.802, 300.623



29, 88.802, 350.623



29, 88.802, 120.623



29, 88.802, 170.623

Sweetspot

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



29, 88.789, 300.652



78, 30.164, 281.646



69, 54.468, 164.563



39, 20.864, 282.451



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



29, 88.789, 300.652



38, 109.578, 301.126



25, 105.501, 307.547



37, 4.457, 278.369



24, 76.230, 300.218



2, 14.387, 282.343

Inverse Universe

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



40, 72.449, 25.567



52, 88.710, 26.556



72, 80.623, 116.529



37, 4.319, 0.297



33, 62.673, 24.683



3, 12.676, 5.290

Previews

White Background



This preview shows how the CIE LCh color 29, 88.802, 300.623 looks on a white background.

Color Contrast Check

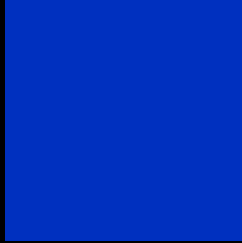
Large Text (above 18pt) WCAG AA ✓ Pass

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 29, 88.802, 300.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

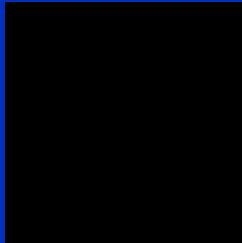
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 88.802, 300.623

Background



This preview shows how black text looks on a background with the CIELCh color 29, 88.802, 300.623.



This preview shows how white text looks on a background with the CIELCh color 29, 88.802, 300.623.

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


29, 88.802, 300.623

Protanopia

29, 47.219, 285.346

Deuteranopia

29, 32.757, 270.687



Tritanopia
29, 20.326, 203.933

Trichromacy



Original Color
29, 88.802, 300.623

Protanomaly
28, 63.209, 293.720

Deuteranomaly
28, 52.789, 288.989

Tritanomaly
27, 36.124, 276.725

Monochromacy



Original Color
29, 88.802, 300.623

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 34.897, 289.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 88.802, 300.623 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, 48, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 191)  
}
```

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, 48, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 88.802, 300.623 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, 48, 191) }
```

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

```
.border{ border-color:rgb(0, 48, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 48, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 48, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 48, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 88.802, 300.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 48, 191) }
```

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

```
.background{ background-color: rgb(0, 48,  
191) }
```

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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