

Converting Colors

CIELCh(30, 76.744, 297.165)

Have a look what the booklet for
CIELCh(30, 76.744, 297.165)
contains.

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Color

CIELCh(30, 77.145, 297.436)

Conversions

Conversions Part 1

Format	Color
Hex	0039B4
RGB	0, 57, 180
RGB Percent	0%, 22%, 71%
CMY	0.9983, 0.7762, 0.2937
CMYK	1.00, 0.68, 0.00, 0.29
HSL	221°, 100%, 35%
HSV	221°, 100%, 71%
XYZ	9.7203, 6.2359, 43.9242
YIQ	53.9790, -73.4550, 26.1690

Conversions

Conversions Part 2

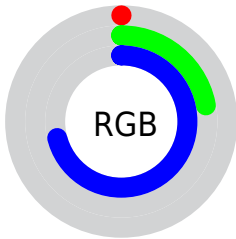
Format	Color
R _Y B	0, 43, 180
Decimal	14772
CIE Lab	30.00, 35.55, -68.47
CIE LCh	30, 77.145, 297.436
Yxy	6.2359, 0.1623, 0.1041
Android (android.graphics.Color)	4278204852 (0xFF0039B4)
YUV	53.9790, 62.1284, -47.3396
Hunter-Lab	24.9718, 25.7806, -86.8081

Details

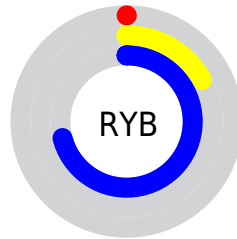
The CIELCh color **30, 77.145, 297.436** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **56, 63.607, 77.451**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 77.062, 297.461**, and **15, 72.071, 303.557** is the 20% darker color. If you saturate the color by 10%, you get **30, 77.344, 297.511**, and if you desaturate by 10%, it is **33, 68.795, 294.060**.

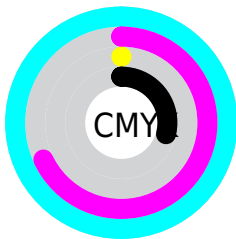
Distribution



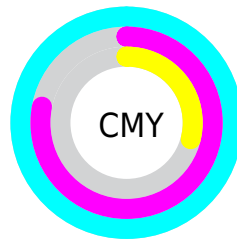
- Red (0%)
- Green (22%)
- Blue (71%)



- Red (0%)
- Yellow (17%)
- Blue (71%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (29%)




- Cyan (100%)
- Magenta (78%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 77.145, 297.436 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 30, 77.145, 297.436 by changing the saturation by 10% instead.


 30, 77.145,
297.436


 30, 77.145,
297.436

 100, 77.145,
297.436

 20, 77.145,
297.436


 50, 77.145,
297.436


 10, 77.145,
297.436

 60, 77.145,
297.436

 0, 77.145, 297.436

 70, 77.145,
297.436

 80, 77.145,
297.436

 90, 77.145,
297.436

■ 30, 77.145,
297.436

■ 30, 77.145,
297.436

■ 30, 77.344,
297.511

■ 33, 68.795,
294.060

■ 37, 60.404,
290.544

■ 41, 52.170,
287.185

■ 46, 44.162,
284.118

■ 50, 36.374,
281.404

■ 55, 28.774,
279.048

■ 59, 21.336,
277.024

■ 64, 14.041,

275.293

■ 69, 6.878, 273.821

Harmonies

Complementary

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



30, 77.145, 297.436



56, 63.607, 77.451

Rectangle

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



30, 77.145, 297.436



30, 77.145, 347.436



30, 77.145, 117.436



30, 77.145, 167.436

Sweetspot

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



30, 77.146, 297.438



76, 26.682, 277.166



65, 55.450, 160.650



38, 18.259, 277.977



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



30, 77.146, 297.438



39, 95.951, 298.111



22, 101.578, 307.123



35, 3.960, 273.762



25, 67.669, 297.050



2, 10.288, 277.668

Inverse Universe

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



38, 66.946, 19.484



50, 82.137, 20.671



69, 76.249, 113.751



35, 4.254, 355.720



32, 59.219, 18.805



2, 9.754, 359.992

Previews

White Background



This preview shows how the CIELCh color 30, 77.145, 297.436 looks on a white background.

Color Contrast Check

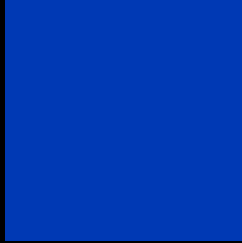
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 77.145, 297.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

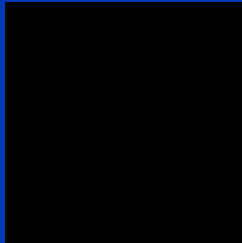
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 77.145, 297.436

Background



This preview shows how black text looks on a background with the CIELCh color 30, 77.145, 297.436.



This preview shows how white text looks on a background with the CIELCh color 30, 77.145, 297.436.

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

30, 77.145, 297.436

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 77.145, 297.436

Protanomaly
30, 59.203, 291.342

Deuteranomaly
29, 49.512, 286.361

Tritanomaly
29, 32.225, 269.933

Monochromacy



Original Color
30, 77.145, 297.436

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 30.050, 285.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 77.145, 297.436 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, 57, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 57, 180)  
}
```

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, 57, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 57, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 77.145, 297.436 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, 57, 180) }
```

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

```
.border{ border-color:rgb(0, 57, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 57, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 57, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 57, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 57, 180)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 77.145, 297.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 57, 180) }
```

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

```
.background{ background-color: rgb(0, 57,  
180) }
```

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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