

Converting Colors

CIELCh(30, 100.446, 302.620)

Have a look what the booklet for
CIELCh(30, 100.446, 302.620)
contains.

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Color

CIELCh(30, 100.783, 302.666)

Conversions

Conversions Part 1

Format	Color
Hex	052AD0
RGB	5, 42, 208
RGB Percent	2%, 16%, 82%
CMY	0.9811, 0.8355, 0.1845
CMYK	0.98, 0.80, 0.00, 0.18
HSL	229°, 95%, 42%
HSV	229°, 98%, 82%
XYZ	12.2660, 6.2359, 60.2024
YIQ	49.8610, -75.3380, 43.7820

Conversions

Conversions Part 2

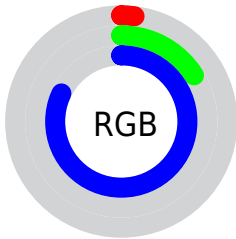
Format	Color
R _Y B	5, 36, 208
Decimal	338640
CIE Lab	30.00, 54.40, -84.84
CIE LCh	30, 100.783, 302.666
Yxy	6.2359, 0.1558, 0.0792
Android (android.graphics.Color)	4278528720 (0xFF052AD0)
YUV	49.8610, 77.9625, -39.3431
Hunter-Lab	24.9718, 43.9775, -125.4569

Details

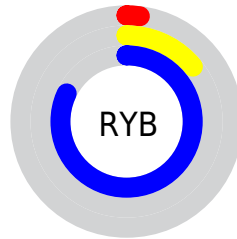
The CIELCh color **30, 100.783, 302.666** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **71, 73.399, 89.548**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 94.993, 302.554**, and **17, 90.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 102.835, 303.170**, and if you desaturate by 10%, it is **34, 90.834, 300.067**.

Distribution



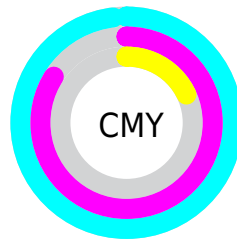
- Red (2%)
- Green (16%)
- Blue (82%)



- Red (2%)
- Yellow (14%)
- Blue (82%)



- Cyan (98%)
- Magenta (80%)
- Yellow (0%)
- Black (18%)





- Cyan (98%)
- Magenta (84%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 100.783, 302.666 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, 100.783, 302.666 by changing the saturation by 10% instead.


 30, 100.783,
302.666


 30, 100.783,
302.666


 100, 100.783,
302.666


 20, 100.783,
302.666


 50, 100.783,
302.666


 10, 100.783,
302.666

 60, 100.783,
302.666

 0, 100.783,
302.666

 70, 100.783,
302.666

 80, 100.783,
302.666

 90, 100.783,
302.666

■ 30, 100.783,
302.666

■ 30, 100.783,
302.666

■ 29, 102.835,
303.170

■ 34, 90.834,
300.067

■ 38, 79.770,
297.173

■ 44, 68.452,
294.275

■ 49, 57.326,
291.565

■ 55, 46.554,
289.138

■ 61, 36.164,
287.022

■ 67, 26.134,
285.203

■ 73, 16.434,

283.649

■ 79, 7.036, 282.329

Harmonies

Complementary

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



30, 100.783, 302.666



71, 73.399, 89.548

Rectangle

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



30, 100.783, 302.666



30, 100.783, 352.666



30, 100.783, 122.666



30, 100.783, 172.666

Sweetspot

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



30, 100.785, 302.667



80, 32.394, 285.486



75, 51.868, 172.813



39, 22.385, 286.257



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 100.785, 302.667



36, 121.051, 303.445



29, 109.953, 308.508



41, 5.234, 282.541



23, 86.794, 302.808



3, 22.347, 288.487

Inverse Universe

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



44, 79.618, 30.050



53, 95.009, 31.847



77, 87.524, 120.562



41, 4.583, 5.372



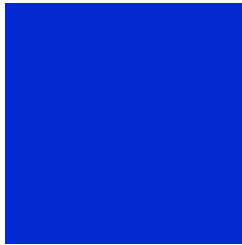
35, 68.599, 30.310



4, 20.177, 10.994

Previews

White Background



This preview shows how the CIELCh color 30, 100.783, 302.666 looks on a white background.

Color Contrast Check

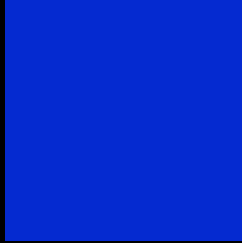
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.783, 302.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

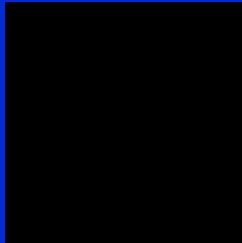
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 100.783, 302.666

Background



This preview shows how black text looks on a background with the CIELCh color 30, 100.783, 302.666.



This preview shows how white text looks on a background with the CIELCh color 30, 100.783,

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, 100.783, 302.666

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 100.783, 302.666

Protanomaly
29, 68.416, 295.235

Deuteranomaly
29, 58.195, 291.532

Tritanomaly
28, 40.716, 281.125

Monochromacy



Original Color
30, 100.783, 302.666

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 40.105, 293.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 100.783, 302.666 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(5, 42, 208)` looks like.

```
.text, #text, p{  
    color:rgb(5, 42, 208)  
}
```

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(5, 42, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 42, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 100.783, 302.666 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(5, 42, 208) }
```

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

```
.border{ border-color:rgb(5, 42, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 42, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 42, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 42, 208);  
box-shadow:4px 4px 4px 4px rgb(5, 42, 208)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 100.783, 302.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 42, 208) }
```

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

```
.background{ background-color: rgb(5, 42,  
208) }
```

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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