

Converting Colors

CIELCh(23, 102.488, 305.452)

Have a look what the booklet for
CIELCh(23, 102.488, 305.452)
contains.

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Color

CIELCh(23, 102.653, 305.514)

Conversions

Conversions Part 1

Format	Color
Hex	000CBA
RGB	0, 12, 186
RGB Percent	0%, 5%, 73%
CMY	1.0000, 0.9534, 0.2709
CMYK	1.00, 0.94, 0.00, 0.27
HSL	236°, 100%, 36%
HSV	236°, 100%, 73%
XYZ	8.9808, 3.8003, 46.6722
YIQ	28.2480, -63.0060, 51.5700

Conversions

Conversions Part 2

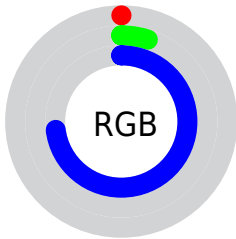
Format	Color
R_{YB}	0, 11, 186
Decimal	3258
CIE _{Lab}	23.00, 59.63, -83.56
CIE _{LCh}	23, 102.653, 305.514
Yxy	3.8003, 0.1511, 0.0639
Android (android.graphics.Color)	4278193338 (0xFF000CBA)
YUV	28.2480, 77.7717, -24.7735
Hunter-Lab	19.4944, 48.1175, -128.3022

Details

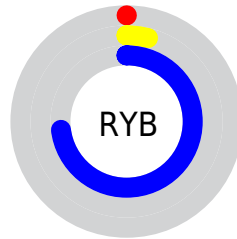
The CIELCh color **23, 102.653, 305.514** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **70, 72.973, 98.614**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 102.968, 305.495**, and **13, 81.626, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 102.648, 305.521**, and if you desaturate by 10%, it is **25, 95.923, 304.108**.

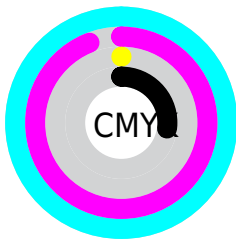
Distribution



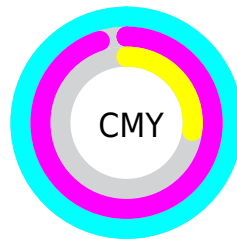
- Red (0%)
- Green (5%)
- Blue (73%)



- Red (0%)
- Yellow (4%)
- Blue (73%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (95%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 102.653, 305.514 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 23, 102.653, 305.514 by changing the saturation by 10% instead.


 23, 102.653,
305.514


 23, 102.653,
305.514


 100, 102.653,
305.514


 13, 102.653,
305.514


 43, 102.653,
305.514


 3, 102.653,
305.514

 53, 102.653,
305.514

 0, 102.653,
305.514

 63, 102.653,
305.514

 73, 102.653,
305.514

 83, 102.653,
305.514

 93, 102.653,

305.514

■ 23, 102.653,
305.514

■ 23, 102.653,
305.514

■ 23, 102.648,
305.521

■ 25, 95.923,
304.108

■ 29, 86.203,
302.029

■ 34, 74.924,
299.645

■ 40, 63.220,
297.243

■ 45, 51.673,
295.006

■ 51, 40.506,
293.017

■ 57, 29.774,
291.294

■ 63, 19.466,
289.819

■ 69, 9.555, 288.566

Harmonies

Complementary

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



23, 102.653, 305.514



70, 72.973, 98.614

Rectangle

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



23, 102.653, 305.514



23, 102.653, 355.514



23, 102.653, 125.514



23, 102.653, 175.514

Sweetspot

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



23, 102.648, 305.521



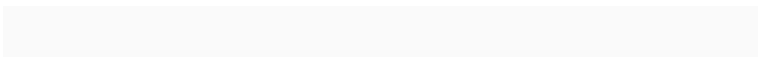
73, 36.952, 291.373



68, 41.891, 186.682



36, 25.632, 292.077



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



23, 102.648, 305.521



31, 126.042, 305.709



27, 99.826, 310.484



36, 5.352, 288.489



18, 89.405, 305.344



1, 14.655, 288.369

Inverse Universe

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



39, 79.807, 37.510



51, 98.058, 38.093



68, 84.178, 125.672



36, 4.012, 14.739



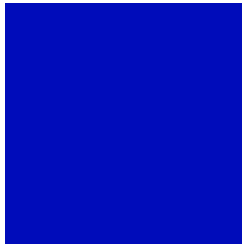
32, 69.485, 36.972



2, 10.672, 15.518

Previews

White Background



This preview shows how the CIE LCh color 23, 102.653, 305.514 looks on a white background.

Color Contrast Check

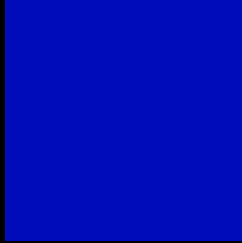
Large Text (above 18pt) WCAG AA ✓ Pass

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 23, 102.653, 305.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

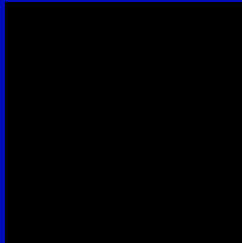
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 102.653, 305.514

Background



This preview shows how black text looks on a background with the CIELCh color 23, 102.653, 305.514.



This preview shows how white text looks on a background with the CIELCh color 23, 102.653, 305.514.

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

23, 102.653, 305.514

Protanopia

24, 40.147, 284.102

Deuteranopia

24, 27.252, 267.722

Trichromacy



Original Color
23, 102.653, 305.514

Protanomaly
21, 67.000, 298.739

Deuteranomaly
21, 57.862, 295.905

Monochromacy



Original Color
23, 102.653, 305.514

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 44.735, 300.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 102.653, 305.514 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, 12, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 12, 186)  
}
```

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, 12, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 12, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 102.653, 305.514 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, 12, 186) }
```

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

```
.border{ border-color:rgb(0, 12, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 12, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 12, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 12, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 12, 186)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 102.653, 305.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 12, 186) }
```

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

```
.background{ background-color: rgb(0, 12,  
186) }
```

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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