

Converting Colors

CIELCh(23, 101.773, 307.356)

Have a look what the booklet for
CIELCh(23, 101.773, 307.356)
contains.

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Color

CIELCh(23, 101.879, 307.331)

Conversions

Conversions Part 1

Format	Color
Hex	2601B6
RGB	38, 1, 182
RGB Percent	15%, 0%, 71%
CMY	0.8490, 0.9976, 0.2874
CMYK	0.79, 1.00, 0.00, 0.29
HSL	253°, 99%, 36%
HSV	253°, 100%, 71%
XYZ	9.2376, 3.8003, 44.3460
YIQ	32.6970, -36.0490, 64.1350

Conversions

Conversions Part 2

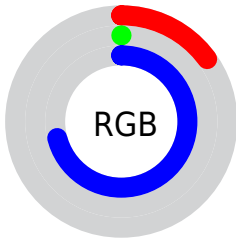
Format	Color
RYB	38, 1, 182
Decimal	2490806
CIELab	23.00, 61.78, -81.01
CIELCh	23, 101.879, 307.331
Yxy	3.8003, 0.1610, 0.0662
Android (android.graphics.Color)	4280680886 (0xFF2601B6)
YUV	32.6970, 73.6064, 4.6507
Hunter-Lab	19.4944, 50.4686, -121.2272

Details

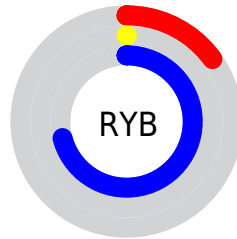
The CIELCh color **23, 101.879, 307.331** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **69, 77.195, 115.170**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 101.946, 307.374**, and **13, 79.820, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 102.063, 307.346**, and if you desaturate by 10%, it is **25, 96.261, 307.053**.

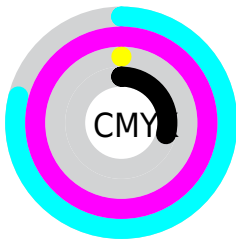
Distribution



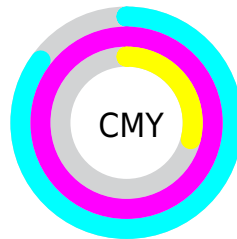
- Red (15%)
- Green (0%)
- Blue (71%)



- Red (15%)
- Yellow (0%)
- Blue (71%)



- Cyan (79%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)





- Cyan (85%)
- Magenta (100%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 101.879, 307.331 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, 101.879, 307.331 by changing the saturation by 10% instead.


 23, 101.879,
307.331


 23, 101.879,
307.331


 100, 101.879,
307.331


 13, 101.879,
307.331


 43, 101.879,
307.331


 3, 101.879,
307.331

 53, 101.879,
307.331

 0, 101.879,
307.331

 63, 101.879,
307.331

 73, 101.879,
307.331

 83, 101.879,
307.331

 93, 101.879,

307.331

■ 23, 101.879,
307.331

■ 23, 101.879,
307.331

■ 23, 102.063,
307.346

■ 25, 96.261,
307.053

■ 29, 87.877,
306.362

■ 34, 77.358,
305.313

■ 39, 65.854,
304.111

■ 45, 54.103,
302.900

■ 50, 42.494,
301.760

■ 56, 31.205,
300.728

■ 62, 20.299,
299.814

■ 68, 9.792, 299.015

Harmonies

Complementary

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



23, 101.879, 307.331



69, 77.195, 115.170

Rectangle

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



23, 101.879, 307.331



23, 101.879, 357.331



23, 101.879, 127.331



23, 101.879, 177.331

Sweetspot

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



23, 101.881, 307.332



72, 39.248, 300.811



56, 34.033, 235.392



35, 27.205, 301.235



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



23, 101.881, 307.332



31, 124.811, 307.230



34, 92.731, 317.393



36, 5.787, 298.991



19, 90.883, 307.431



1, 15.492, 296.329

Inverse Universe

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



41, 76.196, 338.666



54, 92.815, 338.925



65, 89.333, 133.119



36, 5.975, 331.399



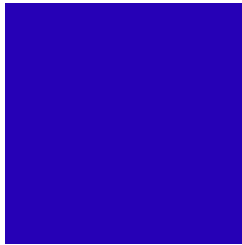
35, 68.086, 338.550



3, 15.254, 334.389

Previews

White Background



This preview shows how the CIE LCh color 23, 101.879, 307.331 looks on a white background.

Color Contrast Check

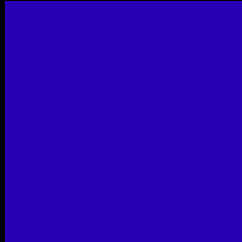
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.879, 307.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

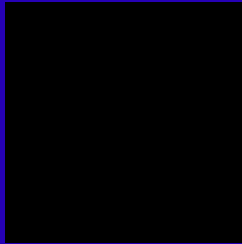
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 101.879, 307.331

Background



This preview shows how black text looks on a background with the CIELCh color 23, 101.879, 307.331.



This preview shows how white text looks on a background with the CIELCh color 23, 101.879, 307.331.

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, 101.952, 307.281

Protanopia

24, 40.755, 284.534

Deuteranopia

24, 28.331, 269.603



Tritanopia
24, 18.177, 202.895

Trichromacy



Original Color
23, 101.952, 307.281

Protanomaly
21, 68.842, 300.581

Deuteranomaly
20, 60.467, 298.461

Tritanomaly
19, 46.095, 293.596

Monochromacy



Original Color
23, 101.952, 307.281

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 46.032, 305.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 101.879, 307.331 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(38, 1, 182)` looks like.

```
.text, #text, p{  
  color:rgb(38, 1, 182)  
}
```

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(38, 1, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 1, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 101.879, 307.331 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(38, 1, 182) }
```

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

```
.border{ border-color:rgb(38, 1, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 1, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 1, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 1, 182);  
box-shadow:4px 4px 4px 4px rgb(38, 1, 182)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 101.879, 307.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 1, 182) }
```

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

```
.background{ background-color: rgb(38, 1,  
182) }
```

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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