

Converting Colors

CIELCh(23, 103.401, 306.987)

Have a look what the booklet for
CIELCh(23, 103.401, 306.987)
contains.

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Color

CIELCh(23, 103.225, 306.993)

Conversions

Conversions Part 1

Format	Color
Hex	2001B8
RGB	32, 1, 184
RGB Percent	13%, 0%, 72%
CMY	0.8736, 0.9956, 0.2780
CMYK	0.82, 0.99, 0.00, 0.28
HSL	250°, 99%, 36%
HSV	250°, 99%, 72%
XYZ	9.2776, 3.8003, 45.6491
YIQ	31.1310, -40.2670, 63.4850

Conversions

Conversions Part 2

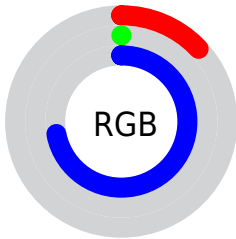
Format	Color
R_{YB}	32, 1, 184
Decimal	2097592
CIE _{Lab}	23.00, 62.11, -82.45
CIE _{LCh}	23, 103.225, 306.993
Yxy	3.8003, 0.1580, 0.0647
Android (android.graphics.Color)	4280287672 (0xFF2001B8)
YUV	31.1310, 75.3644, 0.7621
Hunter-Lab	19.4944, 50.8345, -125.1904

Details

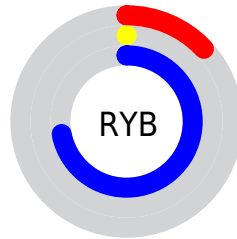
The CIELCh color **23, 103.225, 306.993** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **70, 77.204, 113.002**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 103.578, 306.970**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 103.552, 307.025**, and if you desaturate by 10%, it is **25, 97.534, 306.582**.

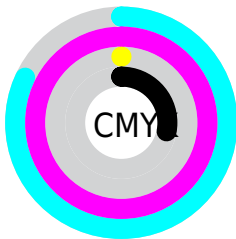
Distribution



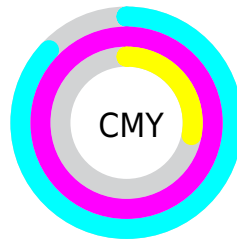
- Red (13%)
- Green (0%)
- Blue (72%)



- Red (13%)
- Yellow (0%)
- Blue (72%)



- Cyan (82%)
- Magenta (99%)
- Yellow (0%)
- Black (28%)





- Cyan (87%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 103.225, 306.993 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, 103.225, 306.993 by changing the saturation by 10% instead.


 23, 103.225,
306.993


 23, 103.225,
306.993


 100, 103.225,
306.993


 13, 103.225,
306.993


 43, 103.225,
306.993


 3, 103.225,
306.993


 53, 103.225,
306.993

 0, 103.225,
306.993

 63, 103.225,
306.993

 73, 103.225,
306.993

 83, 103.225,
306.993

 93, 103.225,

306.993

■ 23, 103.225,
306.993

■ 23, 103.225,
306.993

■ 23, 103.552,
307.025

■ 25, 97.534,
306.582

■ 29, 88.879,
305.720

■ 34, 78.056,
304.494

■ 39, 66.287,
303.128

■ 45, 54.329,
301.774

■ 51, 42.566,
300.516

■ 57, 31.159,
299.388

■ 63, 20.163,
298.397

■ 69, 9.581, 297.537

Harmonies

Complementary

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



23, 103.225, 306.993



70, 77.204, 113.002

Rectangle

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



23, 103.225, 306.993



23, 103.225, 356.993



23, 103.225, 126.993



23, 103.225, 176.993

Sweetspot

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



23, 103.227, 306.994



72, 39.496, 299.506



58, 34.054, 228.086



35, 27.148, 299.968



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, 103.227, 306.994



31, 126.394, 306.930



33, 94.139, 316.369



36, 5.767, 297.532



18, 91.321, 307.104



1, 15.459, 295.208

Inverse Universe

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



42, 79.184, 336.333



55, 96.378, 336.548



66, 89.421, 132.462



36, 6.143, 330.036



35, 70.087, 336.260



3, 15.839, 332.367

Previews

White Background



This preview shows how the CIE LCh color 23, 103.225, 306.993 looks on a white background.

Color Contrast Check

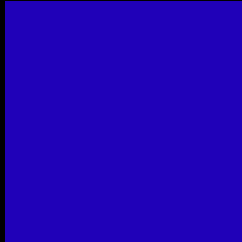
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.225, 306.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

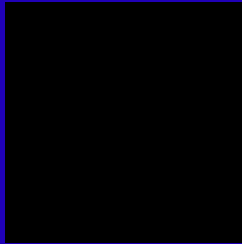
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 103.225, 306.993

Background



This preview shows how black text looks on a background with the CIELCh color 23, 103.225, 306.993.



This preview shows how white text looks on a background with the CIELCh color 23, 103.225, 306.993.

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, 103.225, 306.993

Protanopia

24, 40.755, 284.534

Deuteranopia

24, 27.789, 268.680

Trichromacy



Original Color
23, 103.225, 306.993

Protanomaly
21, 69.445, 300.557

Deuteranomaly
20, 60.500, 298.317

Monochromacy



Original Color
23, 103.225, 306.993

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 46.872, 304.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 103.225, 306.993 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(32, 1, 184)` looks like.

```
.text, #text, p{  
    color:rgb(32, 1, 184)  
}
```

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(32, 1, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 1, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 103.225, 306.993 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(32, 1, 184) }
```

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

```
.border{ border-color:rgb(32, 1, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 1, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 1, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 1, 184);  
box-shadow:4px 4px 4px 4px rgb(32, 1, 184)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 103.225, 306.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 1, 184) }
```

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

```
.background{ background-color: rgb(32, 1,  
184) }
```

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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