

Converting Colors

CIELCh(23, 107.238, 306.599)

Have a look what the booklet for
CIELCh(23, 107.238, 306.599)
contains.

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Color

CIELCh(23, 106.844, 306.523)

Conversions

Conversions Part 1

Format	Color
Hex	0E00BE
RGB	14, 0, 190
RGB Percent	5%, 0%, 75%
CMY	0.9439, 1.0000, 0.2556
CMYK	0.92, 1.00, 0.00, 0.26
HSL	245°, 100%, 37%
HSV	245°, 100%, 74%
XYZ	9.4571, 3.8003, 48.8453
YIQ	25.8460, -52.6460, 62.0580

Conversions

Conversions Part 2

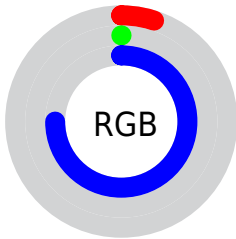
Format	Color
R_{YB}	14, 0, 190
Decimal	917694
CIE _{Lab}	23.00, 63.59, -85.86
CIE _{LCh}	23, 106.844, 306.523
Yxy	3.8003, 0.1523, 0.0612
Android (android.graphics.Color)	4279107774 (0xFF0E00BE)
YUV	25.8460, 80.9279, -10.3889
Hunter-Lab	19.4944, 52.4783, -134.9112

Details

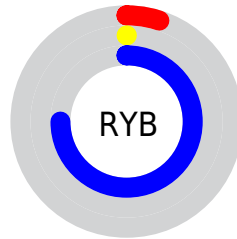
The CIELCh color **23, 106.844, 306.523** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **73, 77.946, 107.488**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **43, 106.734, 306.458**, and **14, 83.422, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 106.790, 306.510**, and if you desaturate by 10%, it is **25, 101.300, 305.786**.

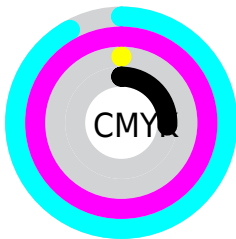
Distribution



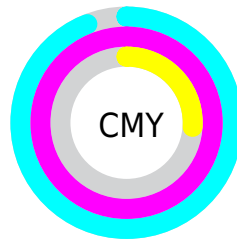
- Red (5%)
- Green (0%)
- Blue (75%)



- Red (5%)
- Yellow (0%)
- Blue (75%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)





- Cyan (94%)
- Magenta (100%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 106.844, 306.523 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, 106.844, 306.523 by changing the saturation by 10% instead.


 23, 106.844,
306.523


 23, 106.844,
306.523


 100, 106.844,
306.523


 13, 106.844,
306.523


 43, 106.844,
306.523


 3, 106.844,
306.523


 53, 106.844,
306.523

 0, 106.844,
306.523

 63, 106.844,
306.523

 73, 106.844,
306.523

 83, 106.844,
306.523

 93, 106.844,

306.523

■ 23, 106.844,
306.523

■ 23, 106.844,
306.523

■ 23, 106.790,
306.510

■ 25, 101.300,
305.786

■ 29, 92.486,
304.550

■ 34, 81.191,
302.887

■ 39, 68.878,
301.079

■ 45, 56.431,
299.323

■ 51, 44.261,
297.721

■ 58, 32.519,
296.309

■ 64, 21.240,
295.087

■ 71, 10.412,
294.040

Harmonies

Complementary

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



23, 106.844, 306.523



73, 77.946, 107.488

Rectangle

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



23, 106.844, 306.523



23, 106.844, 356.523



23, 106.844, 126.523



23, 106.844, 176.523

Sweetspot

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



23, 106.790, 306.510



74, 40.361, 296.373



66, 36.853, 207.749



36, 28.007, 296.957



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



23, 106.790, 306.510



32, 130.394, 306.460



32, 98.540, 313.499



36, 5.865, 293.978



18, 93.204, 306.558



1, 17.461, 292.739

Inverse Universe

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



44, 87.241, 331.484



58, 106.335, 331.541



68, 89.240, 130.107



37, 6.714, 327.040



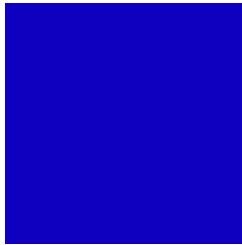
37, 76.262, 331.436



3, 19.956, 328.238

Previews

White Background



This preview shows how the CIE LCh color 23, 106.844, 306.523 looks on a white background.

Color Contrast Check

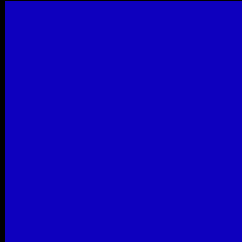
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.844, 306.523 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, 106.844, 306.523

Background



This preview shows how black text looks on a background with the CIELCh color 23, 106.844, 306.523.



This preview shows how white text looks on a background with the CIELCh color 23, 106.844,

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, 106.877, 306.504

Protanopia

24, 40.691, 284.159

Deuteranopia

24, 27.806, 268.180



Tritanopia
24, 18.177, 202.895

Trichromacy



Original Color
23, 106.877, 306.504

Protanomaly
21, 70.043, 300.119

Deuteranomaly
20, 62.372, 298.273

Tritanomaly
19, 48.098, 293.345

Monochromacy



Original Color
23, 106.877, 306.504

Achromatopsia
9, 0.003, 296.813

Achromatomaly
11, 48.663, 303.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 106.844, 306.523 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(14, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(14, 0, 190)  
}
```

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(14, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 0, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 106.844, 306.523 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(14, 0, 190) }
```

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

```
.border{ border-color:rgb(14, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(14, 0, 190)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 106.844, 306.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 0, 190) }
```

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

```
.background{ background-color: rgb(14, 0,  
190) }
```

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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