

Converting Colors

CIELCh(23, 68.923, 310.759)

Have a look what the booklet for
CIELCh(23, 68.923, 310.759)
contains.

CIELCh(23, 68.930, 310.768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 68.930, 310.768)

Conversions

Conversions Part 1

Format	Color
Hex	481987
RGB	72, 25, 135
RGB Percent	28%, 10%, 53%
CMY	0.7184, 0.9027, 0.4714
CMYK	0.47, 0.82, 0.00, 0.47
HSL	266°, 69%, 31%
HSV	266°, 82%, 53%
XYZ	7.3598, 3.8003, 23.1946
YIQ	51.5930, -7.2980, 44.1740

Conversions

Conversions Part 2

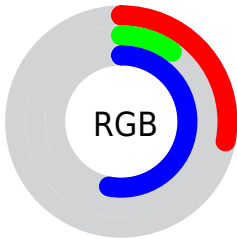
Format	Color
R_{YB}	72, 25, 135
Decimal	4725127
CIE _{Lab}	23.00, 45.01, -52.20
CIE _{LCh}	23, 68.930, 310.768
Yxy	3.8003, 0.2142, 0.1106
Android (android.graphics.Color)	4282915207 (0xFF481987)
YUV	51.5930, 41.1197, 17.8969
Hunter-Lab	19.4944, 33.2749, -56.8977

Details

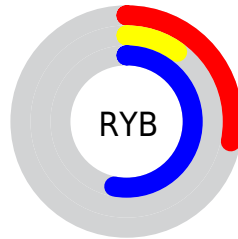
The CIELCh color **23, 68.930, 310.768** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **51, 59.480, 123.803**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 68.740, 310.813**, and **6, 58.273, 307.093** is the 20% darker color. If you saturate the color by 10%, you get **20, 74.674, 310.757**, and if you desaturate by 10%, it is **26, 61.581, 310.465**.

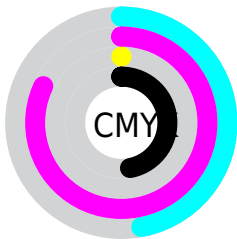
Distribution



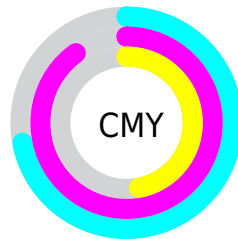
- Red (28%)
- Green (10%)
- Blue (53%)



- Red (28%)
- Yellow (10%)
- Blue (53%)



- Cyan (47%)
- Magenta (82%)
- Yellow (0%)
- Black (47%)



- Cyan (72%)
- Magenta (90%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 68.930, 310.768 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, 68.930, 310.768 by changing the saturation by 10% instead.

 23, 68.930,
310.768

 23, 68.930,
310.768

 100, 68.930,
310.768

 13, 68.930,
310.768


 43, 68.930,
310.768

 3, 68.930, 310.768

 53, 68.930,
310.768

 0, 68.930, 310.768

 63, 68.930,
310.768

 73, 68.930,
310.768

 83, 68.930,
310.768

 93, 68.930,

310.768

■ 23, 68.930,
310.768

■ 23, 68.930,
310.768

■ 20, 74.674,
310.757

■ 26, 61.581,
310.465

■ 19, 78.680,
310.656

■ 30, 53.263,
309.968

■ 34, 44.475,
309.375

■ 38, 35.550,
308.752

■ 42, 26.685,
308.140

■ 47, 17.991,
307.563

■ 51, 9.521, 307.030

■ 56, 1.300, 306.505

■ 60, 6.666, 126.142

Harmonies

Complementary

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



23, 68.930, 310.768



51, 59.480, 123.803

Rectangle

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



23, 68.930, 310.768



23, 68.930, 0.768



23, 68.930, 130.768



23, 68.930, 180.768

Sweetspot

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



23, 68.930, 310.769



59, 24.951, 307.728



36, 31.291, 264.973



29, 17.351, 307.908



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



23, 68.930, 310.769



26, 94.940, 310.465



31, 66.770, 325.174



26, 4.549, 306.904



18, 76.632, 310.694



0, 1.076, 306.484

Inverse Universe

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



31, 50.792, 349.604



38, 65.269, 354.537



49, 67.631, 136.249



26, 3.903, 340.566



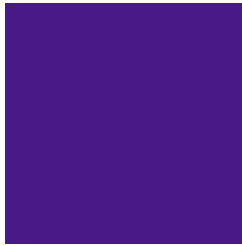
27, 52.694, 354.193



0, 0.926, 339.925

Previews

White Background



This preview shows how the CIELCh color 23, 68.930, 310.768 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, 68.930, 310.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

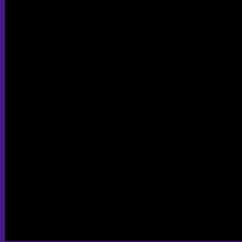
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 68.930, 310.768

Background



This preview shows how black text looks on a background with the CIELCh color 23, 68.930, 310.768.



This preview shows how white text looks on a background with the CIELCh color 23, 68.930, 310.768.

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, 68.930, 310.768

Protanopia
23, 40.211, 284.484

Deuteranopia
23, 28.321, 270.101



Tritanopia
23, 3.551, 269.213

Trichromacy



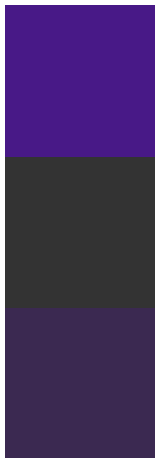
Original Color
23, 68.930, 310.768

Protanomaly
21, 52.508, 296.742

Deuteranomaly
21, 43.520, 293.073

Tritanomaly
22, 29.367, 306.629

Monochromacy



Original Color
23, 68.930, 310.768

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 27.922, 309.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 68.930, 310.768 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(72, 25, 135)` looks like.

```
.text, #text, p{  
    color:rgb(72, 25, 135)  
}
```

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(72, 25, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 25, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 68.930, 310.768 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(72, 25, 135) }
```

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

```
.border{ border-color:rgb(72, 25, 135) }
```

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

Here you see how a box with a 4 pixel rgb(72, 25, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 25, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 25, 135);  
box-shadow:4px 4px 4px 4px rgb(72, 25,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 68.930, 310.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 25, 135) }
```

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

```
.background{ background-color: rgb(72, 25,  
135) }
```

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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