

Converting Colors

CIELCh(23, 66.896, 312.225)

Have a look what the booklet for
CIELCh(23, 66.896, 312.225)
contains.

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Color

CIELCh(23, 67.011, 312.210)

Conversions

Conversions Part 1

Format	Color
Hex	4C1883
RGB	76, 24, 131
RGB Percent	30%, 9%, 51%
CMY	0.7030, 0.9069, 0.4873
CMYK	0.42, 0.82, 0.00, 0.49
HSL	269°, 69%, 30%
HSV	269°, 82%, 51%
XYZ	7.3609, 3.8003, 21.7291
YIQ	51.7460, -3.3550, 44.3010

Conversions

Conversions Part 2

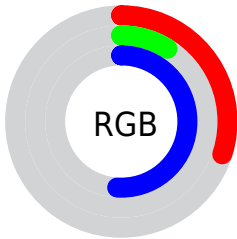
Format	Color
R_{YB}	76, 24, 131
Decimal	4987011
CIE _{Lab}	23.00, 45.02, -49.63
CIE _{LCh}	23, 67.011, 312.210
Yxy	3.8003, 0.2238, 0.1155
Android (android.graphics.Color)	4283177091 (0xFF4C1883)
YUV	51.7460, 39.0722, 21.2708
Hunter-Lab	19.4944, 33.2846, -52.4404

Details

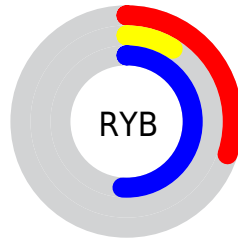
The CIELCh color **23, 67.011, 312.210** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **49, 59.191, 125.966**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 67.275, 312.195**, and **7, 55.434, 308.472** is the 20% darker color. If you saturate the color by 10%, you get **21, 72.332, 312.083**, and if you desaturate by 10%, it is **26, 60.113, 312.034**.

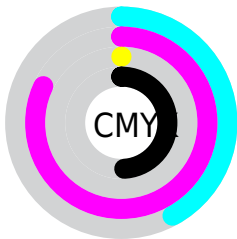
Distribution



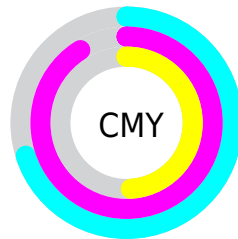
- Red (30%)
- Green (9%)
- Blue (51%)



- Red (30%)
- Yellow (9%)
- Blue (51%)



- Cyan (42%)
- Magenta (82%)
- Yellow (0%)
- Black (49%)





- Cyan (70%)
- Magenta (91%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 67.011, 312.210 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, 67.011, 312.210 by changing the saturation by 10% instead.

 23, 67.011,
312.210


 23, 67.011,
312.210

 100, 67.011,
312.210


 13, 67.011,
312.210


 43, 67.011,
312.210


 3, 67.011, 312.210

 53, 67.011,
312.210

 0, 67.011, 312.210

 63, 67.011,
312.210

 73, 67.011,
312.210

 83, 67.011,
312.210

 93, 67.011,

312.210

■ 23, 67.011,
312.210

■ 23, 67.011,
312.210

■ 21, 72.332,
312.083

■ 26, 60.113,
312.034

■ 19, 76.003,
311.909

■ 30, 52.203,
311.658

■ 33, 43.755,
311.172

■ 37, 35.100,
310.639

■ 41, 26.448,
310.100

■ 45, 17.921,
309.580

■ 50, 9.586, 309.090

■ 54, 1.477, 308.598

■ 58, 6.396, 128.266

Harmonies

Complementary

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



23, 67.011, 312.210



49, 59.191, 125.966

Rectangle

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



23, 67.011, 312.210



23, 67.011, 2.210



23, 67.011, 132.210



23, 67.011, 182.210

Sweetspot

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



23, 67.011, 312.211



57, 25.645, 309.771



33, 34.142, 273.252



28, 17.699, 309.928



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



23, 67.011, 312.211



27, 91.752, 311.722



32, 65.371, 327.421



26, 4.600, 308.963



19, 75.705, 311.915



0, 1.089, 308.574

Inverse Universe

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



29, 48.430, 353.867



37, 62.704, 359.689



48, 66.879, 137.045



26, 3.749, 343.578



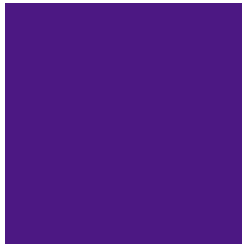
27, 51.717, 359.361



0, 0.888, 342.899

Previews

White Background



This preview shows how the CIELCh color 23, 67.011, 312.210 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, 67.011, 312.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

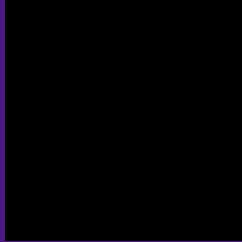
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 67.011, 312.210

Background



This preview shows how black text looks on a background with the CIELCh color 23, 67.011, 312.210.



This preview shows how white text looks on a background with the CIELCh color 23, 67.011, 312.210.

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, 67.011, 312.210

Deuteranopia
23, 28.321, 270.101

Tritanopia
24, 3.513, 330.936

Trichromacy

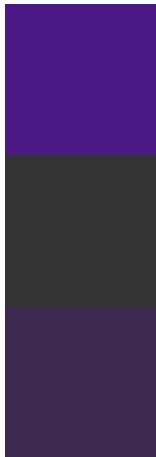


Original Color
23, 67.011, 312.210

Deuteranomaly
21, 42.849, 293.292

Tritanomaly
22, 28.619, 312.452

Monochromacy



Original Color
23, 67.011, 312.210

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 27.364, 310.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 67.011, 312.210 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(76, 24, 131)` looks like.

```
.text, #text, p{  
  color:rgb(76, 24, 131)  
}
```

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(76, 24, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 24, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 67.011, 312.210 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(76, 24, 131) }
```

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

```
.border{ border-color:rgb(76, 24, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 24, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 24, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 24, 131);  
box-shadow:4px 4px 4px 4px rgb(76, 24,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 67.011, 312.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 24, 131) }
```

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

```
.background{ background-color: rgb(76, 24,  
131) }
```

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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