

Converting Colors

CIELCh(23, 67.678, 310.621)

Have a look what the booklet for
CIELCh(23, 67.678, 310.621)
contains.

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Color

CIELCh(23, 67.467, 310.586)

Conversions

Conversions Part 1

Format	Color
Hex	471A85
RGB	71, 26, 133
RGB Percent	28%, 10%, 52%
CMY	0.7205, 0.8971, 0.4774
CMYK	0.47, 0.80, 0.00, 0.48
HSL	265°, 67%, 31%
HSV	265°, 80%, 52%
XYZ	7.2446, 3.8003, 22.6351
YIQ	51.6530, -7.5270, 42.8170

Conversions

Conversions Part 2

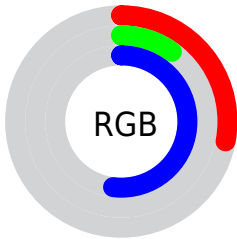
Format	Color
R_{YB}	71, 26, 133
Decimal	4659845
CIE _{Lab}	23.00, 43.89, -51.24
CIE _{LCh}	23, 67.467, 310.586
Yxy	3.8003, 0.2151, 0.1128
Android (android.graphics.Color)	4282849925 (0xFF471A85)
YUV	51.6530, 40.1041, 16.9673
Hunter-Lab	19.4944, 32.2200, -55.1959

Details

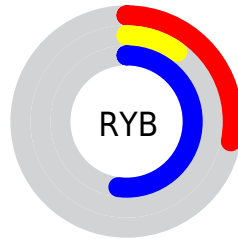
The CIELCh color **23, 67.467, 310.586** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **51, 58.217, 123.508**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 67.674, 310.766**, and **6, 57.083, 307.030** is the 20% darker color. If you saturate the color by 10%, you get **20, 73.449, 310.642**, and if you desaturate by 10%, it is **26, 59.990, 310.234**.

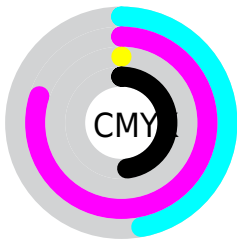
Distribution



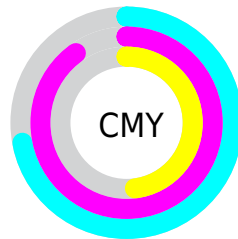
- Red (28%)
- Green (10%)
- Blue (52%)



- Red (28%)
- Yellow (10%)
- Blue (52%)



- Cyan (47%)
- Magenta (80%)
- Yellow (0%)
- Black (48%)





- Cyan (72%)
- Magenta (90%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 67.467, 310.586 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, 67.467, 310.586 by changing the saturation by 10% instead.

 23, 67.467,
310.586

 23, 67.467,
310.586

 100, 67.467,
310.586


 13, 67.467,
310.586


 43, 67.467,
310.586


 3, 67.467, 310.586

 53, 67.467,
310.586

 0, 67.467, 310.586

 63, 67.467,
310.586

 73, 67.467,
310.586

 83, 67.467,
310.586

 93, 67.467,

310.586

■ 23, 67.467,
310.586

■ 23, 67.467,
310.586

■ 20, 73.449,
310.642

■ 26, 59.990,
310.234

■ 18, 78.119,
310.543

■ 30, 51.639,
309.705

■ 34, 42.887,
309.093

■ 38, 34.040,
308.459

■ 42, 25.278,
307.843

■ 47, 16.698,
307.265

■ 51, 8.347, 306.733

■ 56, 0.246, 305.990

■ 60, 7.602, 125.852

Harmonies

Complementary

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



23, 67.467, 310.586



51, 58.217, 123.508

Rectangle

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



23, 67.467, 310.586



23, 67.467, 0.586



23, 67.467, 130.586



23, 67.467, 180.586

Sweetspot

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



23, 67.467, 310.587



58, 24.631, 307.505



36, 30.593, 264.390



28, 16.921, 307.682



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, 67.467, 310.587



26, 93.075, 310.411



31, 65.596, 325.166



26, 4.544, 306.673



18, 76.734, 310.569



0, 1.074, 306.250

Inverse Universe

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



31, 50.111, 348.860



38, 64.558, 353.343



49, 66.375, 136.331



26, 3.921, 340.247



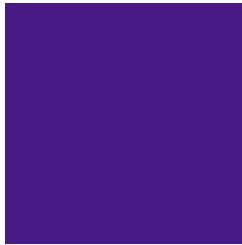
27, 52.832, 353.640



0, 0.931, 339.610

Previews

White Background



This preview shows how the CIE LCh color 23, 67.467, 310.586 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, 67.467, 310.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

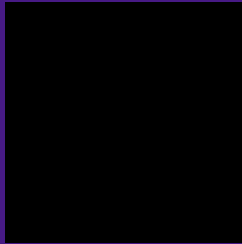
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 67.467, 310.586

Background



This preview shows how black text looks on a background with the CIELCh color 23, 67.467, 310.586.



This preview shows how white text looks on a background with the CIELCh color 23, 67.467, 310.586.

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, 67.467, 310.586

Protanopia
23, 40.211, 284.484

Deuteranopia
23, 28.869, 271.477



Tritanopia
23, 3.551, 269.213

Trichromacy



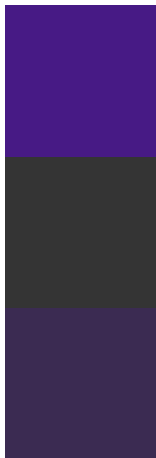
Original Color
23, 67.467, 310.586

Protanomaly
22, 51.183, 296.112

Deuteranomaly
21, 43.520, 293.073

Tritanomaly
22, 28.735, 306.837

Monochromacy



Original Color
23, 67.467, 310.586

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 27.034, 308.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 67.467, 310.586 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(71, 26, 133)` looks like.

```
.text, #text, p{  
    color:rgb(71, 26, 133)  
}
```

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(71, 26, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 26, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 67.467, 310.586 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(71, 26, 133) }
```

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

```
.border{ border-color:rgb(71, 26, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 26, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 26, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 26, 133);  
box-shadow:4px 4px 4px 4px rgb(71, 26,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 67.467, 310.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 26, 133) }
```

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

```
.background{ background-color: rgb(71, 26,  
133) }
```

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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