

Converting Colors

CIELCh(23, 62.136, 308.287)

Have a look what the booklet for
CIELCh(23, 62.136, 308.287)
contains.

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Color

CIELCh(23, 61.919, 308.277)

Conversions

Conversions Part 1

Format	Color
Hex	412181
RGB	65, 33, 129
RGB Percent	25%, 13%, 51%
CMY	0.7450, 0.8705, 0.4940
CMYK	0.50, 0.74, 0.00, 0.49
HSL	260°, 59%, 32%
HSV	260°, 74%, 51%
XYZ	6.6917, 3.8003, 21.1617
YIQ	53.5120, -11.7440, 36.6400

Conversions

Conversions Part 2

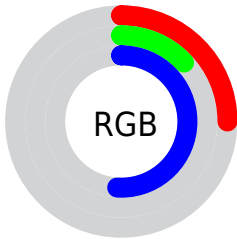
Format	Color
R_{YB}	65, 33, 129
Decimal	4268417
CIE _{Lab}	23.00, 38.36, -48.61
CIE _{LCh}	23, 61.919, 308.277
Yxy	3.8003, 0.2114, 0.1201
Android (android.graphics.Color)	4282458497 (0xFF412181)
YUV	53.5120, 37.2156, 10.0750
Hunter-Lab	19.4944, 27.1572, -50.7149

Details

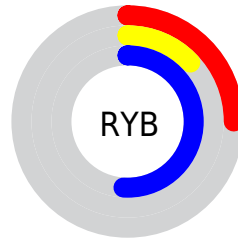
The CIELCh color **23, 61.919, 308.277** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **50, 52.561, 119.856**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 61.716, 308.129**, and **5, 55.409, 305.759** is the 20% darker color. If you saturate the color by 10%, you get **20, 69.100, 308.776**, and if you desaturate by 10%, it is **27, 53.745, 307.570**.

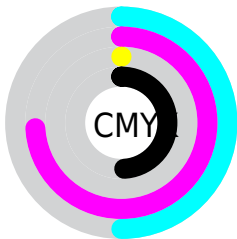
Distribution



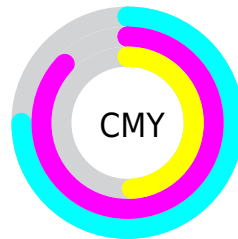
- Red (25%)
- Green (13%)
- Blue (51%)



- Red (25%)
- Yellow (13%)
- Blue (51%)



- Cyan (50%)
- Magenta (74%)
- Yellow (0%)
- Black (49%)





- Cyan (75%)
- Magenta (87%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 61.919, 308.277 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, 61.919, 308.277 by changing the saturation by 10% instead.

 23, 61.919,
308.277


 23, 61.919,
308.277

 100, 61.919,
308.277


 13, 61.919,
308.277


 43, 61.919,
308.277


 3, 61.919, 308.277

 53, 61.919,
308.277

 0, 61.919, 308.277

 63, 61.919,
308.277

 73, 61.919,
308.277

 83, 61.919,
308.277

 93, 61.919,

308.277

■ 23, 61.919,
308.277

■ 23, 61.919,
308.277

■ 20, 69.100,
308.776

■ 27, 53.745,
307.570

■ 17, 74.639,
308.937

■ 31, 45.132,
306.774

■ 16, 77.603,
309.083

■ 35, 36.428,
305.969

■ 39, 27.830,
305.199

■ 43, 19.433,
304.488

■ 48, 11.284,
303.846

■ 52, 3.396, 303.267

■ 56, 4.231, 122.787

■ 61, 11.605,
122.341

Harmonies

Complementary

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



23, 61.919, 308.277



50, 52.561, 119.856

Rectangle

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



23, 61.919, 308.277



23, 61.919, 358.277



23, 61.919, 128.277



23, 61.919, 178.277

Sweetspot

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



23, 61.919, 308.278



57, 21.704, 304.362



39, 25.289, 249.577



28, 14.567, 304.509



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



23, 61.919, 308.278



25, 88.616, 308.918



30, 60.895, 322.422



25, 4.335, 303.532



16, 76.925, 309.095



0, 0.000, 0.000

Inverse Universe

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



31, 49.182, 342.360



38, 65.235, 344.994



48, 60.351, 135.284



25, 4.037, 336.244



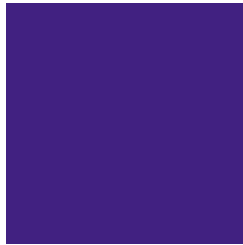
27, 54.433, 346.627



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 23, 61.919, 308.277 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, 61.919, 308.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

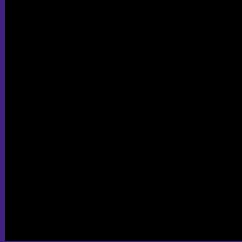
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 61.919, 308.277

Background



This preview shows how black text looks on a background with the CIELCh color 23, 61.919, 308.277.



This preview shows how white text looks on a background with the CIELCh color 23, 61.919, 308.277.

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, 61.919, 308.277

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 28.313, 270.602



Tritanopia
23, 5.625, 235.268

Trichromacy



Original Color
23, 61.919, 308.277

Protanomaly
22, 48.559, 294.406

Deuteranomaly
22, 40.869, 290.796

Tritanomaly
22, 25.612, 299.526

Monochromacy



Original Color
23, 61.919, 308.277

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 24.055, 305.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 61.919, 308.277 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(65, 33, 129)` looks like.

```
.text, #text, p{  
    color:rgb(65, 33, 129)  
}
```

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(65, 33, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 33, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 61.919, 308.277 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(65, 33, 129) }
```

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

```
.border{ border-color:rgb(65, 33, 129) }
```

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

Here you see how a box with a 4 pixel rgb(65, 33, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 33, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 33, 129);  
box-shadow:4px 4px 4px 4px rgb(65, 33,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 61.919, 308.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 33, 129) }
```

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

```
.background{ background-color: rgb(65, 33,  
129) }
```

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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