

Converting Colors

CIELCh(23, 61.073, 308.270)

Have a look what the booklet for
CIELCh(23, 61.073, 308.270)
contains.

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Color

CIELCh(23, 61.359, 308.343)

Conversions

Conversions Part 1

Format	Color
Hex	412180
RGB	65, 33, 128
RGB Percent	25%, 13%, 50%
CMY	0.7440, 0.8696, 0.4970
CMYK	0.49, 0.74, 0.00, 0.50
HSL	260°, 59%, 32%
HSV	260°, 74%, 50%
XYZ	6.6634, 3.8003, 20.8979
YIQ	53.3980, -11.4230, 36.3290

Conversions

Conversions Part 2

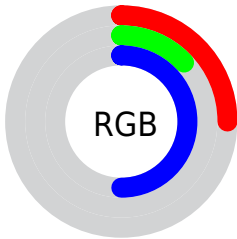
Format	Color
R_{YB}	65, 33, 128
Decimal	4268416
CIE _{Lab}	23.00, 38.07, -48.12
CIE _{LCh}	23, 61.359, 308.343
Yxy	3.8003, 0.2125, 0.1212
Android (android.graphics.Color)	4282458496 (0xFF412180)
YUV	53.3980, 36.7788, 10.1750
Hunter-Lab	19.4944, 26.8981, -49.9125

Details

The CIELCh color **23, 61.359, 308.343** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **50, 52.197, 120.016**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 61.803, 308.430**, and **5, 54.730, 305.805** is the 20% darker color. If you saturate the color by 10%, you get **20, 68.537, 308.840**, and if you desaturate by 10%, it is **27, 53.213, 307.643**.

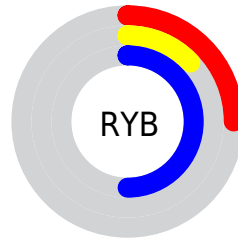
Distribution



Red (25%)

Green (13%)

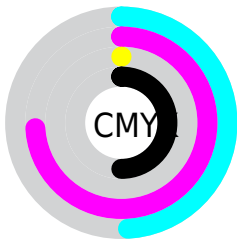
Blue (50%)



Red (25%)

Yellow (13%)

Blue (50%)

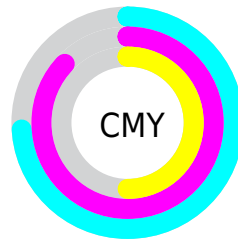


Cyan (49%)

Magenta (74%)

Yellow (0%)

Black (50%)



Cyan (74%)


Magenta (87%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 61.359, 308.343 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, 61.359, 308.343 by changing the saturation by 10% instead.

 23, 61.359,
308.343


 23, 61.359,
308.343

 100, 61.359,
308.343


 13, 61.359,
308.343


 43, 61.359,
308.343


 3, 61.359, 308.343

 53, 61.359,
308.343

 0, 61.359, 308.343

 63, 61.359,
308.343

 73, 61.359,
308.343

 83, 61.359,
308.343

 93, 61.359,

308.343

■ 23, 61.359,
308.343

■ 23, 61.359,
308.343

■ 20, 68.537,
308.840

■ 27, 53.213,
307.643

■ 17, 74.093,
309.000

■ 31, 44.642,
306.856

■ 16, 77.212,
309.147

■ 35, 35.986,
306.060

■ 39, 27.435,
305.300

■ 43, 19.086,
304.598

■ 48, 10.982,
303.962

■ 52, 3.136, 303.388

■ 56, 4.450, 122.915

■ 61, 11.786,
122.473

Harmonies

Complementary

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



23, 61.359, 308.343



50, 52.197, 120.016

Rectangle

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



23, 61.359, 308.343



23, 61.359, 358.343



23, 61.359, 128.343



23, 61.359, 178.343

Sweetspot

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



23, 61.359, 308.344



56, 21.445, 304.493



38, 25.096, 249.449



28, 14.574, 304.640



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, 61.359, 308.344



25, 87.506, 308.986



30, 60.429, 322.420



25, 4.338, 303.670



16, 76.871, 309.153



0, 0.000, 0.000

Inverse Universe

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



31, 48.716, 342.529



37, 64.342, 345.231



47, 59.880, 135.302



25, 4.026, 336.408



27, 54.313, 346.911



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 23, 61.359, 308.343 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, 61.359, 308.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

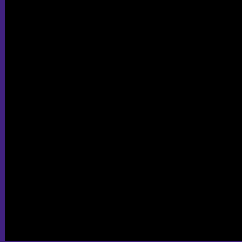
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 61.359, 308.343

Background



This preview shows how black text looks on a background with the CIELCh color 23, 61.359, 308.343.



This preview shows how white text looks on a background with the CIELCh color 23, 61.359, 308.343.

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

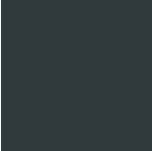
23, 61.359, 308.343

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 28.313, 270.602



Tritanopia
23, 5.308, 237.877

Trichromacy



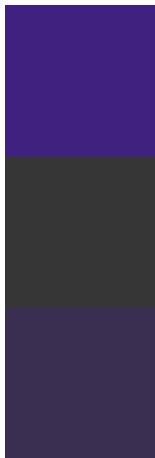
Original Color
23, 61.359, 308.343

Protanomaly
22, 48.559, 294.406

Deuteranomaly
22, 40.238, 290.505

Tritanomaly
22, 25.632, 300.325

Monochromacy



Original Color
23, 61.359, 308.343

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, 61.359, 308.343 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(65, 33, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 33, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 61.359, 308.343 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, 128) }
```

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

```
.border{ border-color:rgb(65, 33, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 33, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 33, 128);  
box-shadow:4px 4px 4px 4px rgb(65, 33,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 61.359, 308.343 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, 128) }
```

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

```
.background{ background-color: rgb(65, 33,  
128) }
```

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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