

Converting Colors

CIELCh(23, 49.300, 321.859)

Have a look what the booklet for
CIELCh(23, 49.300, 321.859)
contains.

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Color

CIELCh(23, 49.090, 322.024)

Conversions

Conversions Part 1

Format	Color
Hex	581C65
RGB	88, 28, 101
RGB Percent	35%, 11%, 40%
CMY	0.6564, 0.8917, 0.6054
CMYK	0.13, 0.73, 0.00, 0.61
HSL	289°, 57%, 25%
HSV	289°, 73%, 39%
XYZ	6.7248, 3.8003, 12.5947
YIQ	54.2620, 12.3270, 35.4230

Conversions

Conversions Part 2

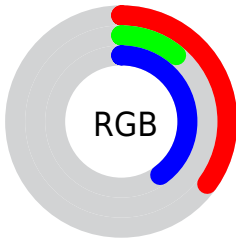
Format	Color
R_{YB}	88, 28, 101
Decimal	5774437
CIE _{Lab}	23.00, 38.70, -30.21
CIE _{LCh}	23, 49.090, 322.024
Yxy	3.8003, 0.2909, 0.1644
Android (android.graphics.Color)	4283964517 (0xFF581C65)
YUV	54.2620, 23.0418, 29.5882
Hunter-Lab	19.4944, 27.4599, -24.6593

Details

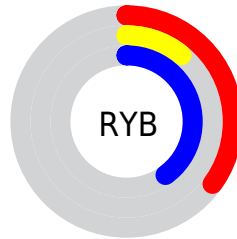
The CIELCh color **23, 49.090, 322.024** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **37, 48.449, 135.249**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 48.527, 322.009**, and **6, 38.856, 319.729** is the 20% darker color. If you saturate the color by 10%, you get **21, 53.631, 322.059**, and if you desaturate by 10%, it is **25, 43.508, 321.851**.

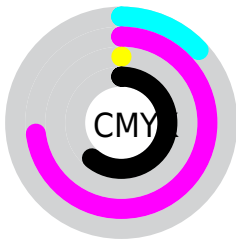
Distribution



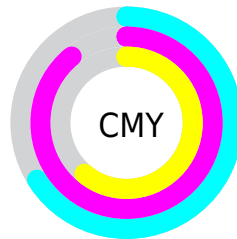
- Red (35%)
- Green (11%)
- Blue (40%)



- Red (35%)
- Yellow (11%)
- Blue (40%)



- Cyan (13%)
- Magenta (73%)
- Yellow (0%)
- Black (61%)




- Cyan (66%)
- Magenta (89%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 49.090, 322.024 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, 49.090, 322.024 by changing the saturation by 10% instead.

 23, 49.090,
322.024


 23, 49.090,
322.024

 100, 49.090,
322.024

 13, 49.090,
322.024


 43, 49.090,
322.024


 3, 49.090, 322.024

 53, 49.090,
322.024

 0, 49.090, 322.024

 63, 49.090,
322.024

 73, 49.090,
322.024

 83, 49.090,
322.024

 93, 49.090,

322.024

■ 23, 49.090,
322.024

■ 23, 49.090,
322.024

■ 21, 53.631,
322.059

■ 25, 43.508,
321.851

■ 20, 56.948,
321.930

■ 27, 37.174,
321.573

■ 19, 59.263,
321.834

■ 30, 30.354,
321.222

■ 33, 23.265,
320.826

■ 36, 16.073,
320.406

■ 39, 8.892, 319.973

■ 42, 1.800, 319.495

■ 45, 5.156, 139.185

■ 48, 11.948,
138.781

Harmonies

Complementary

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



23, 49.090, 322.024



37, 48.449, 135.249

Rectangle

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



23, 49.090, 322.024



23, 49.090, 12.024



23, 49.090, 142.024



23, 49.090, 192.024

Sweetspot

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



23, 49.089, 322.024



46, 19.355, 320.408



19, 40.519, 294.334



23, 13.117, 320.486



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



23, 49.089, 322.024



28, 67.272, 321.984



24, 40.251, 340.951



19, 4.008, 319.814



22, 65.057, 321.741



50, 112.981, 321.369

Inverse Universe

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



23, 35.139, 16.894



28, 50.590, 23.366



37, 40.762, 147.515



19, 2.510, 5.616



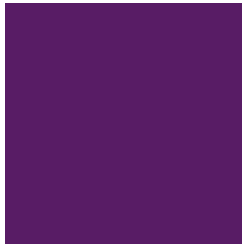
23, 51.143, 28.530



51, 91.537, 32.012

Previews

White Background



This preview shows how the CIE LCh color 23, 49.090, 322.024 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 CIE LCh color 23, 49.090, 322.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

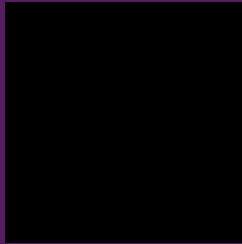
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 49.090, 322.024

Background



This preview shows how black text looks on a background with the CIELCh color 23, 49.090, 322.024.



This preview shows how white text looks on a background with the CIELCh color 23, 49.090, 322.024.

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, 49.090, 322.024

Protanopia

23, 40.821, 284.910

Deuteranopia

24, 26.663, 276.998



Tritanopia
23, 17.211, 16.770

Trichromacy



Original Color
23, 49.090, 322.024

Protanomaly
21, 44.207, 295.464

Deuteranomaly
22, 34.844, 298.839

Tritanomaly
23, 26.322, 339.990

Monochromacy



Original Color
23, 49.090, 322.024

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 20.322, 320.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 49.090, 322.024 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(88, 28, 101)` looks like.

```
.text, #text, p{  
    color:rgb(88, 28, 101)  
}
```

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(88, 28, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 28, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 49.090, 322.024 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(88, 28, 101) }
```

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

```
.border{ border-color:rgb(88, 28, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 28, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 28, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 28, 101);  
box-shadow:4px 4px 4px 4px rgb(88, 28,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 49.090, 322.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 28, 101) }
```

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

```
.background{ background-color: rgb(88, 28,  
101) }
```

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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