

Converting Colors

CIELCh(23, 64.380, 314.463)

Have a look what the booklet for
CIELCh(23, 64.380, 314.463)
contains.

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Color

CIELCh(23, 64.433, 314.513)

Conversions

Conversions Part 1

Format	Color
Hex	51167D
RGB	81, 22, 125
RGB Percent	32%, 9%, 49%
CMY	0.6825, 0.9139, 0.5099
CMYK	0.35, 0.82, 0.00, 0.51
HSL	274°, 70%, 29%
HSV	274°, 82%, 49%
XYZ	7.3765, 3.8003, 19.7365
YIQ	51.3830, 2.1010, 44.5410

Conversions

Conversions Part 2

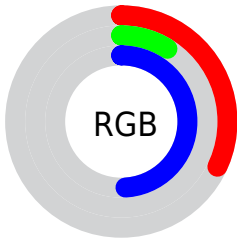
Format	Color
R_{YB}	81, 22, 125
Decimal	5314173
CIE _{Lab}	23.00, 45.17, -45.95
CIE _{LCh}	23, 64.433, 314.513
Yxy	3.8003, 0.2386, 0.1229
Android (android.graphics.Color)	4283504253 (0xFF51167D)
YUV	51.3830, 36.2932, 25.9741
Hunter-Lab	19.4944, 33.4277, -46.3804

Details

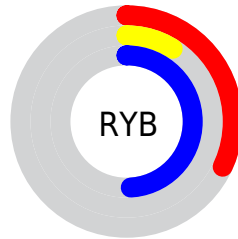
The CIELCh color **23, 64.433, 314.513** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **47, 58.888, 128.826**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 64.359, 314.713**, and **7, 51.929, 310.583** is the 20% darker color. If you saturate the color by 10%, you get **21, 69.113, 314.268**, and if you desaturate by 10%, it is **26, 58.204, 314.473**.

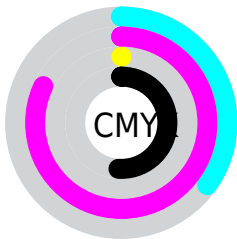
Distribution



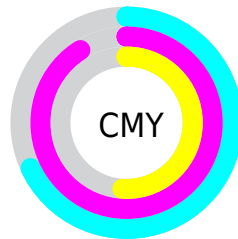
- Red (32%)
- Green (9%)
- Blue (49%)



- Red (32%)
- Yellow (9%)
- Blue (49%)



- Cyan (35%)
- Magenta (82%)
- Yellow (0%)
- Black (51%)





- Cyan (68%)
- Magenta (91%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 64.433, 314.513 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, 64.433, 314.513 by changing the saturation by 10% instead.

 23, 64.433,
314.513


 23, 64.433,
314.513

 100, 64.433,
314.513


 13, 64.433,
314.513


 43, 64.433,
314.513


 3, 64.433, 314.513

 53, 64.433,
314.513

 0, 64.433, 314.513

 63, 64.433,
314.513

 73, 64.433,
314.513

 83, 64.433,
314.513

 93, 64.433,

314.513

■ 23, 64.433,
314.513

■ 23, 64.433,
314.513

■ 21, 69.113,
314.268

■ 26, 58.204,
314.473

■ 19, 72.219,
314.050

■ 29, 50.896,
314.233

■ 32, 42.943,
313.867

■ 36, 34.677,
313.434

■ 40, 26.324,
312.975

■ 44, 18.027,
312.515

■ 47, 9.872, 312.070

■ 51, 1.905, 311.615

■ 55, 5.850, 131.304

Harmonies

Complementary

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



23, 64.433, 314.513



47, 58.888, 128.826

Rectangle

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



23, 64.433, 314.513



23, 64.433, 4.513



23, 64.433, 134.513



23, 64.433, 184.513

Sweetspot

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



23, 64.433, 314.513



55, 25.088, 312.660



28, 38.188, 281.703



26, 17.079, 312.792



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



23, 64.433, 314.513



27, 87.493, 313.828



30, 60.521, 330.382



25, 4.535, 311.926



20, 73.282, 314.028



0, 0.000, 0.000

Inverse Universe

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



28, 45.748, 0.719



35, 60.282, 8.084



46, 63.008, 138.457



25, 3.427, 348.491



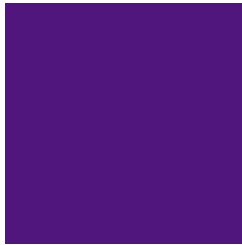
26, 50.504, 7.317



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 23, 64.433, 314.513 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, 64.433, 314.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

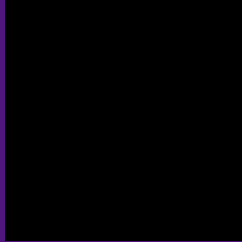
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 64.433, 314.513

Background



This preview shows how black text looks on a background with the CIELCh color 23, 64.433, 314.513.



This preview shows how white text looks on a background with the CIELCh color 23, 64.433, 314.513.

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, 64.433, 314.513

Protanopia
23, 40.821, 284.910

Deuteranopia
23, 28.873, 270.983



Tritanopia
24, 7.943, 1.652

Trichromacy



Original Color
23, 64.433, 314.513

Protanomaly
21, 51.312, 297.271

Deuteranomaly
21, 42.284, 293.721

Tritanomaly
22, 29.221, 320.745

Monochromacy



Original Color
23, 64.433, 314.513

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 27.051, 313.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 64.433, 314.513 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(81, 22, 125)` looks like.

```
.text, #text, p{  
    color:rgb(81, 22, 125)  
}
```

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(81, 22, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 22, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 64.433, 314.513 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(81, 22, 125) }
```

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

```
.border{ border-color:rgb(81, 22, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 22, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 22, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 22, 125);  
box-shadow:4px 4px 4px 4px rgb(81, 22,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 64.433, 314.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 22, 125) }
```

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

```
.background{ background-color: rgb(81, 22,  
125) }
```

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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