

Converting Colors

CIELCh(23, 39.461, 321.239)

Have a look what the booklet for
CIELCh(23, 39.461, 321.239)
contains.

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Color

CIELCh(23, 39.428, 321.225)

Conversions

Conversions Part 1

Format	Color
Hex	51245C
RGB	81, 36, 92
RGB Percent	32%, 14%, 36%
CMY	0.6818, 0.8583, 0.6387
CMYK	0.12, 0.61, 0.00, 0.64
HSL	288°, 44%, 25%
HSV	288°, 61%, 36%
XYZ	5.9780, 3.8003, 10.5753
YIQ	55.8390, 8.8440, 26.9560

Conversions

Conversions Part 2

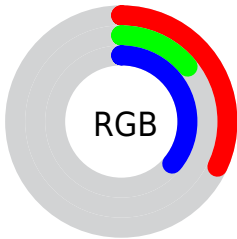
Format	Color
RYB	81, 36, 92
Decimal	5317724
CIELab	23.00, 30.74, -24.69
CIELCh	23, 39.428, 321.225
Yxy	3.8003, 0.2937, 0.1867
Android (android.graphics.Color)	4283507804 (0xFF51245C)
YUV	55.8390, 17.8274, 22.0662
Hunter-Lab	19.4944, 20.6218, -18.5176

Details

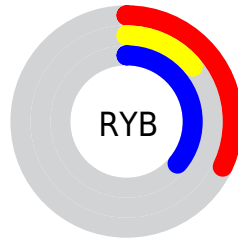
The CIELCh color **23, 39.428, 321.225** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **35, 38.682, 135.564**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 39.875, 321.101**, and **5, 33.350, 319.667** is the 20% darker color. If you saturate the color by 10%, you get **21, 44.853, 321.420**, and if you desaturate by 10%, it is **25, 33.389, 320.934**.

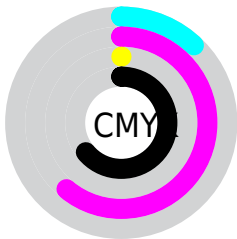
Distribution



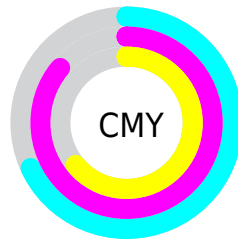
- Red (32%)
- Green (14%)
- Blue (36%)



- Red (32%)
- Yellow (14%)
- Blue (36%)



- Cyan (12%)
- Magenta (61%)
- Yellow (0%)
- Black (64%)





- Cyan (68%)
- Magenta (86%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 39.428, 321.225 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, 39.428, 321.225 by changing the saturation by 10% instead.

 23, 39.428,
321.225


 23, 39.428,
321.225

 100, 39.428,
321.225


 13, 39.428,
321.225


 43, 39.428,
321.225


 3, 39.428, 321.225

 53, 39.428,
321.225

 0, 39.428, 321.225

 63, 39.428,
321.225

 73, 39.428,
321.225

 83, 39.428,
321.225

 93, 39.428,

321.225

■ 23, 39.428,
321.225

■ 23, 39.428,
321.225

■ 21, 44.853,
321.420

■ 25, 33.389,
320.934

■ 19, 49.404,
321.484

■ 28, 26.972,
320.578

■ 18, 52.858,
321.384

■ 30, 20.360,
320.183

■ 17, 55.840,
321.292

■ 33, 13.690,
319.768

■ 36, 7.054, 319.344

■ 39, 0.513, 318.720

■ 42, 5.895, 138.580

■ 45, 12.148,
138.195

■ 48, 18.236,
137.841

Harmonies

Complementary

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



23, 39.428, 321.225



35, 38.682, 135.564

Rectangle

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



23, 39.428, 321.225



23, 39.428, 11.225



23, 39.428, 141.225



23, 39.428, 191.225

Sweetspot

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



23, 39.427, 321.225



44, 14.703, 319.674



21, 30.259, 290.325



21, 10.311, 319.761



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



23, 39.427, 321.225



27, 56.621, 321.468



24, 33.146, 338.798



17, 3.647, 319.259



21, 63.130, 321.152



48, 111.467, 320.723

Inverse Universe

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



23, 27.419, 11.992



27, 40.578, 16.095



35, 33.059, 148.697



17, 2.309, 4.204



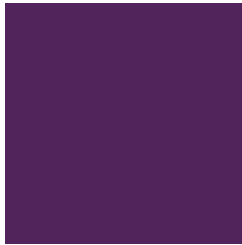
21, 48.856, 26.839



50, 88.918, 30.654

Previews

White Background



This preview shows how the CIE LCh color 23, 39.428, 321.225 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, 39.428, 321.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

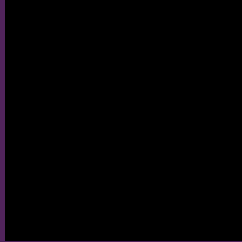
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 39.428, 321.225

Background



This preview shows how black text looks on a background with the CIELCh color 23, 39.428, 321.225.



This preview shows how white text looks on a background with the CIELCh color 23, 39.428, 321.225.

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, 39.428, 321.225

Protanopia

23, 36.763, 285.445

Deuteranopia

23, 22.438, 278.848



Tritanopia
23, 13.680, 14.148

Trichromacy



Original Color
23, 39.428, 321.225

Protanomaly
22, 36.663, 295.356

Deuteranomaly
23, 27.481, 298.727

Tritanomaly
23, 20.643, 339.688

Monochromacy



Original Color
23, 39.428, 321.225

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 15.054, 319.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 39.428, 321.225 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, 36, 92)` looks like.

```
.text, #text, p{  
    color:rgb(81, 36, 92)  
}
```

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, 36, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 36, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 39.428, 321.225 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, 36, 92) }
```

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

```
.border{ border-color:rgb(81, 36, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 36, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 36, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 36, 92);  
box-shadow:4px 4px 4px 4px rgb(81, 36, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 39.428, 321.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 36, 92) }
```

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

```
.background{ background-color: rgb(81, 36,  
92) }
```

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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