

Converting Colors

CIELCh(23, 13.149, 315.663)

Have a look what the booklet for
CIELCh(23, 13.149, 315.663)
contains.

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Color

CIELCh(23, 13.114, 315.650)

Conversions

Conversions Part 1

Format	Color
Hex	3F3345
RGB	63, 51, 69
RGB Percent	25%, 20%, 27%
CMY	0.7546, 0.8016, 0.7311
CMYK	0.09, 0.26, 0.00, 0.73
HSL	280°, 15%, 23%
HSV	280°, 26%, 27%
XYZ	4.2509, 3.8003, 6.0715
YIQ	56.6400, 1.3740, 8.1420

Conversions

Conversions Part 2

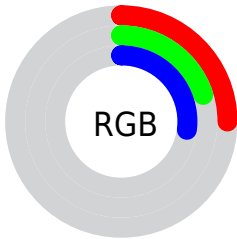
Format	Color
R_{YB}	63, 51, 69
Decimal	4141893
CIE Lab	23.00, 9.38, -9.17
CIE LCh	23, 13.114, 315.650
Yxy	3.8003, 0.3010, 0.2691
Android (android.graphics.Color)	4282331973 (0xFF3F3345)
YUV	56.6400, 6.0935, 5.5777
Hunter-Lab	19.4944, 4.8084, -4.8197

Details

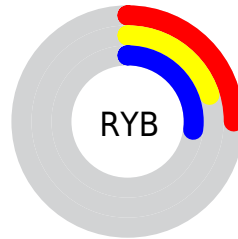
The CIELCh color **23, 13.114, 315.650** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 12.857, 133.614**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 13.322, 316.413**, and **3, 12.979, 315.092** is the 20% darker color. If you saturate the color by 10%, you get **21, 18.228, 316.042**, and if you desaturate by 10%, it is **25, 8.042, 315.257**.

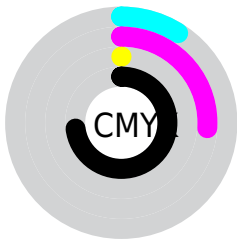
Distribution



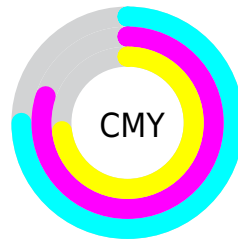
- Red (25%)
- Green (20%)
- Blue (27%)



- Red (25%)
- Yellow (20%)
- Blue (27%)



- Cyan (9%)
- Magenta (26%)
- Yellow (0%)
- Black (73%)





- Cyan (75%)
- Magenta (80%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 13.114, 315.650 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, 13.114, 315.650 by changing the saturation by 10% instead.


 23, 13.114,
315.650


 23, 13.114,
315.650


 100, 13.114,
315.650


 13, 13.114,
315.650


 43, 13.114,
315.650


 3, 13.114, 315.650

 53, 13.114,
315.650

 0, 13.114, 315.650

 63, 13.114,
315.650

 73, 13.114,
315.650

 83, 13.114,
315.650

 93, 13.114,

315.650

■ 23, 13.114,
315.650

■ 23, 13.114,
315.650

■ 21, 18.228,
316.042

■ 25, 8.042, 315.257

■ 28, 3.054, 314.864

■ 19, 23.328,
316.420

■ 30, 1.830, 134.576

■ 16, 28.322,
316.763

■ 32, 6.598, 134.210

■ 14, 33.083,
317.040

■ 35, 11.245,
133.894

■ 13, 37.438,
317.214

■ 37, 15.768,
133.607

■ 11, 41.181,
317.237

■ 39, 20.172,
133.346

■ 10, 44.944,
317.329

■ 42, 24.458,
133.109

■ 9, 46.544, 317.431

■ 44, 28.631,
132.895

Harmonies

Complementary

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



23, 13.114, 315.650



28, 12.857, 133.614

Rectangle

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



23, 13.114, 315.650



23, 13.114, 5.650



23, 13.114, 135.650



23, 13.114, 185.650

Sweetspot

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



23, 13.113, 315.650



36, 4.901, 314.949



24, 8.105, 273.193



17, 3.516, 314.985



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



23, 13.113, 315.650



29, 19.377, 315.888



24, 12.890, 330.241



12, 2.662, 314.955



15, 59.095, 316.943



41, 109.505, 316.201

Inverse Universe

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



23, 9.266, 356.063



29, 13.736, 356.748



27, 12.856, 147.223



12, 1.860, 354.305



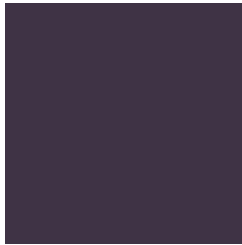
19, 41.990, 14.225



48, 78.729, 18.814

Previews

White Background



This preview shows how the CIE LCh color 23, 13.114, 315.650 looks on a white background.

Color Contrast Check

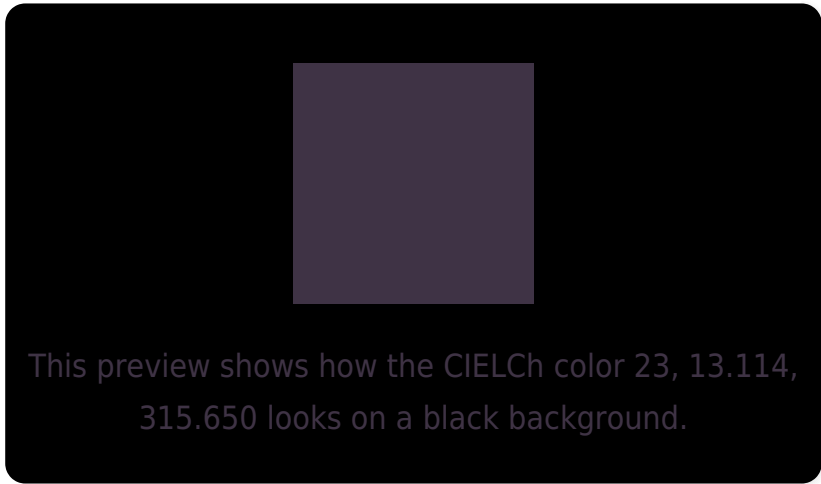
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 13.114, 315.650

Background



This preview shows how black text looks on a background with the CIELCh color 23, 13.114, 315.650.



This preview shows how white text looks on a background with the CIELCh color 23, 13.114, 315.650.

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, 13.114, 315.650

Protanopia

23, 11.384, 286.531

Deuteranopia

23, 9.349, 292.200



Tritanopia
23, 4.556, 344.571

Trichromacy



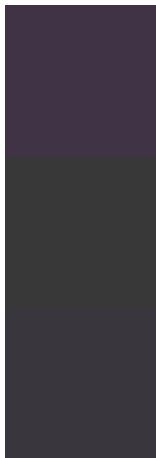
Original Color
23, 13.114, 315.650

Protanomaly
23, 11.416, 296.774

Deuteranomaly
23, 10.198, 301.860

Tritanomaly
23, 7.528, 328.067

Monochromacy



Original Color
23, 13.114, 315.650

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 5.022, 311.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 13.114, 315.650 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(63, 51, 69)` looks like.

```
.text, #text, p{  
    color:rgb(63, 51, 69)  
}
```

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(63, 51, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 51, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 13.114, 315.650 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(63, 51, 69) }
```

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

```
.border{ border-color:rgb(63, 51, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 51, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 51, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 51, 69);  
box-shadow:4px 4px 4px 4px rgb(63, 51, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 13.114, 315.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 51, 69) }
```

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

```
.background{ background-color: rgb(63, 51,  
69) }
```

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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