

Converting Colors

CIELCh(23, 9.777, 104.060)

Have a look what the booklet for
CIELCh(23, 9.777, 104.060) contains.

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Color

CIELCh(23, 9.318, 101.959)

Conversions

Conversions Part 1

Format	Color
Hex	393729
RGB	57, 55, 41
RGB Percent	22%, 22%, 16%
CMY	0.7753, 0.7832, 0.8381
CMYK	0.00, 0.03, 0.28, 0.78
HSL	52°, 16%, 19%
HSV	52°, 28%, 22%
XYZ	3.4890, 3.8003, 2.6728
YIQ	54.0020, 5.6860, -3.9300

Conversions

Conversions Part 2

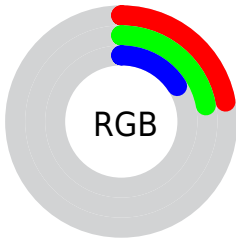
Format	Color
RYB	43, 57, 41
Decimal	3749673
CIELab	23.00, -1.93, 9.12
CIElCh	23, 9.318, 101.959
Yxy	3.8003, 0.3502, 0.3815
Android (android.graphics.Color)	4281939753 (0xFF393729)
YUV	54.0020, -6.4100, 2.6292
Hunter-Lab	19.4944, -2.1678, 5.5169

Details

The CIELCh color **23, 9.318, 101.959** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 9.698, 287.605**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 9.605, 103.532**, and **3, 4.445, 110.176** is the 20% darker color. If you saturate the color by 10%, you get **23, 12.630, 101.013**, and if you desaturate by 10%, it is **23, 5.985, 102.904**.

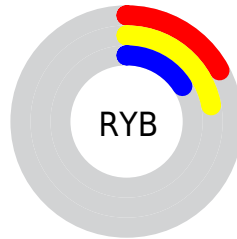
Distribution



Red (22%)

Green (22%)

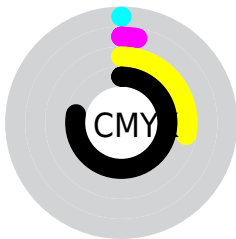
Blue (16%)



Red (17%)

Yellow (22%)

Blue (16%)

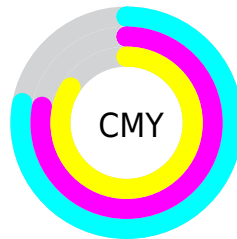


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (78%)



Cyan (78%)

Magenta (78%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 9.318, 101.959 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, 9.318, 101.959 by changing the saturation by 10% instead.

■ 23, 9.318, 101.959

■ 23, 9.318, 101.959

■ 100, 9.318,
101.959

■ 13, 9.318, 101.959

■ 43, 9.318, 101.959

■ 3, 9.318, 101.959

■ 53, 9.318, 101.959

■ 0, 9.318, 101.959

■ 63, 9.318, 101.959

■ 73, 9.318, 101.959

■ 83, 9.318, 101.959

■ 93, 9.318, 101.959

■ 23, 9.318, 101.959

■ 23, 9.318, 101.959

■ 23, 12.630,
101.013

■ 23, 5.985, 102.904

■ 22, 15.892,
100.058

■ 24, 2.647, 103.819

■ 24, 0.685, 284.812

■ 22, 19.062, 99.108

■ 25, 4.002, 285.631

■ 22, 22.075, 98.173

■ 25, 7.302, 286.473

■ 21, 24.772, 97.280

■ 26, 10.580,
287.287

■ 21, 26.849, 96.503

■ 26, 13.836,
288.070

■ 21, 28.847, 95.840

■ 21, 29.255, 95.716

■ 26, 17.068,
288.818

■ 27, 20.276,
289.533

Harmonies

Complementary

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



23, 9.318, 101.959



18, 9.698, 287.605

Rectangle

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



23, 9.318, 101.959



23, 9.318, 151.959



23, 9.318, 281.959



23, 9.318, 331.959

Sweetspot

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



23, 9.319, 101.964



31, 3.295, 103.782



19, 8.005, 10.853



15, 2.365, 103.715



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 9.319, 101.964



30, 14.012, 101.240



23, 10.942, 123.025



10, 1.811, 103.788



34, 42.368, 94.721



78, 79.278, 93.962

Inverse Universe

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



18, 9.698, 287.605



22, 14.773, 288.654



18, 11.418, 305.669



9, 1.835, 285.361



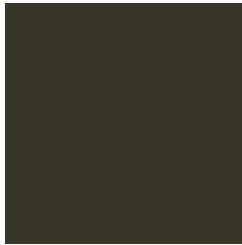
9, 56.455, 302.960



29, 112.673, 304.666

Previews

White Background



This preview shows how the CIELCh color 23, 9.318, 101.959 looks on a white background.

Color Contrast Check

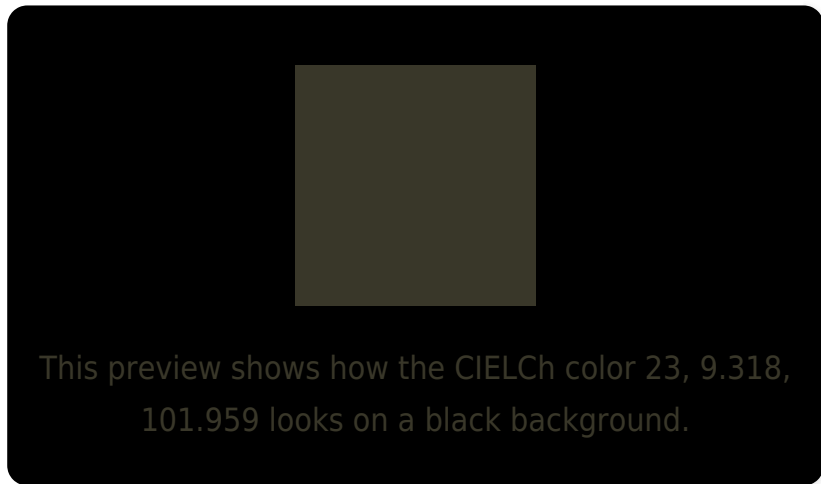
Large Text (above 18pt) WCAG AA ✓ Pass

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

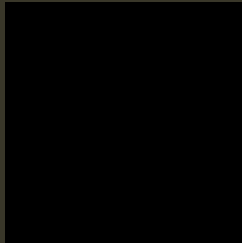
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

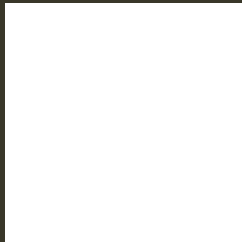
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 9.318, 101.959

Background



This preview shows how black text looks on a background with the CIELCh color 23, 9.318, 101.959.

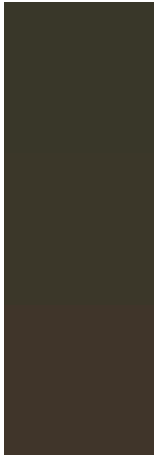


This preview shows how white text looks on a background with the CIELCh color 23, 9.318, 101.959.

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, 9.318, 101.959

Protanopia

23, 9.480, 95.920

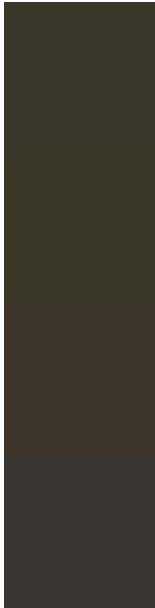
Deuteranopia

23, 9.233, 71.683



Tritanopia
23, 3.848, 336.244

Trichromacy



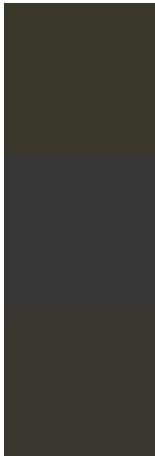
Original Color
23, 9.318, 101.959

Protanomaly
23, 9.385, 98.919

Deuteranomaly
23, 8.945, 81.756

Tritanomaly
23, 2.745, 66.119

Monochromacy



Original Color
23, 9.318, 101.959

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 3.361, 101.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 9.318, 101.959 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(57, 55, 41)` looks like.

```
.text, #text, p{  
    color:rgb(57, 55, 41)  
}
```

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(57, 55, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 55, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 9.318, 101.959 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(57, 55, 41) }
```

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

```
.border{ border-color:rgb(57, 55, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 55, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 55, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 55, 41);  
box-shadow:4px 4px 4px 4px rgb(57, 55, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 9.318, 101.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 55, 41) }
```

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

```
.background{ background-color: rgb(57, 55,  
41) }
```

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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