

Converting Colors

CIELCh(23, 4.779, 180.207)

Have a look what the booklet for
CIELCh(23, 4.779, 180.207) contains.

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Color

CIELCh(23, 4.670, 181.944)

Conversions

Conversions Part 1

Format	Color
Hex	2F3937
RGB	47, 57, 55
RGB Percent	18%, 22%, 22%
CMY	0.8159, 0.7766, 0.7845
CMYK	0.18, 0.00, 0.04, 0.78
HSL	168°, 10%, 20%
HSV	168°, 18%, 22%
XYZ	3.3195, 3.8003, 4.1672
YIQ	53.7820, -5.3180, -2.7420

Conversions

Conversions Part 2

Format	Color
RYB	47, 53, 57
Decimal	3094839
CIELab	23.00, -4.67, -0.16
CIELCh	23, 4.670, 181.944
Yxy	3.8003, 0.2941, 0.3367
Android (android.graphics.Color)	4281284919 (0xFF2F3937)
YUV	53.7820, 0.6005, -5.9478
Hunter-Lab	19.4944, -3.7203, 0.9720

Details

The CIELCh color **23, 4.670, 181.944** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 4.958, 4.674**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 4.637, 183.846**, and **3, 4.262, 180.414** is the 20% darker color. If you saturate the color by 10%, you get **23, 7.218, 181.106**, and if you desaturate by 10%, it is **24, 2.034, 182.777**.

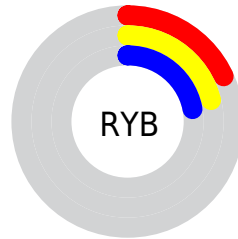
Distribution



Red (18%)

Green (22%)

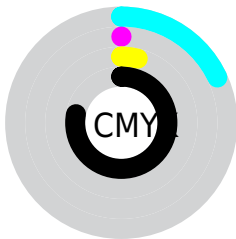
Blue (22%)



Red (18%)

Yellow (21%)

Blue (22%)



Cyan (18%)

Magenta (0%)

Yellow (4%)

Black (78%)



Cyan (82%)

Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 4.670, 181.944 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, 4.670, 181.944 by changing the saturation by 10% instead.

■ 23, 4.670, 181.944

■ 23, 4.670, 181.944

■ 100, 4.670,
181.944

■ 13, 4.670, 181.944

■ 43, 4.670, 181.944

■ 3, 4.670, 181.944

■ 53, 4.670, 181.944

■ 0, 4.670, 181.944

■ 63, 4.670, 181.944

■ 73, 4.670, 181.944

■ 83, 4.670, 181.944

■ 93, 4.670, 181.944

■ 23, 4.670, 181.944

■ 23, 4.670, 181.944

■ 23, 7.218, 181.106

■ 24, 2.034, 182.777

■ 22, 9.645, 180.240

■ 24, 0.665, 3.107

■ 22, 11.917,
179.327

■ 25, 3.399, 4.087

■ 21, 14.002,
178.355

■ 25, 6.150, 4.817

■ 26, 8.900, 5.508

■ 21, 15.869,
177.309

■ 27, 11.635, 6.175

■ 21, 17.494,
176.175

■ 28, 14.345, 6.821

■ 28, 17.024, 7.449

■ 21, 18.902,
174.980

■ 29, 19.665, 8.059

■ 21, 20.329,
173.932

■ 21, 20.686,
173.700

Harmonies

Complementary

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



23, 4.670, 181.944



21, 4.958, 4.674

Rectangle

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



23, 4.670, 181.944



23, 4.670, 231.944



23, 4.670, 1.944



23, 4.670, 51.944

Sweetspot

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



23, 4.671, 181.938



31, 1.676, 183.000



23, 7.621, 137.612



15, 1.155, 182.976



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, 4.671, 181.938



30, 6.904, 181.571



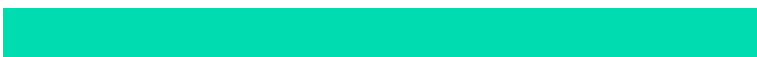
22, 3.630, 230.652



10, 1.470, 182.710



34, 28.980, 172.211



78, 55.643, 170.612

Inverse Universe

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



21, 4.958, 4.674



26, 7.447, 5.115



21, 3.958, 48.602



9, 1.512, 3.808



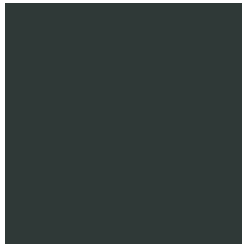
17, 42.549, 24.998



46, 83.415, 30.115

Previews

White Background



This preview shows how the CIE LCh color 23, 4.670, 181.944 looks on a white background.

Color Contrast Check

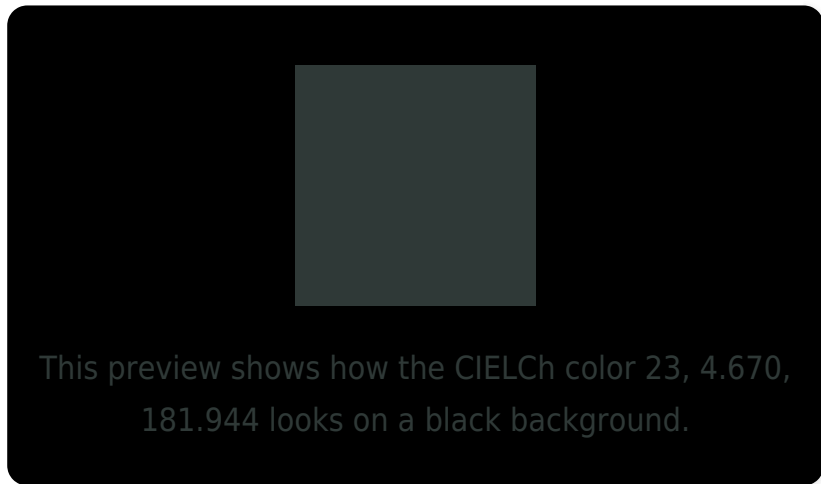
Large Text (above 18pt) WCAG AA ✓ Pass

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

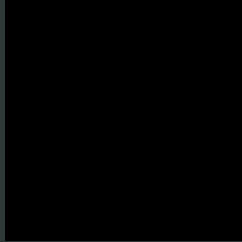
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

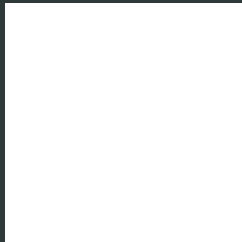
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 4.670, 181.944

Background



This preview shows how black text looks on a background with the CIELCh color 23, 4.670, 181.944.

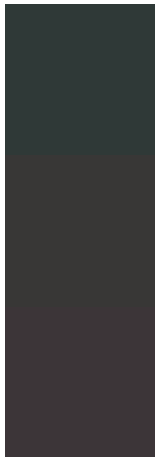


This preview shows how white text looks on a background with the CIELCh color 23, 4.670, 181.944.

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, 4.670, 181.944

Protanopia

23, 0.803, 74.866

Deuteranopia

23, 3.811, 348.540



Tritanopia
23, 4.714, 244.232

Trichromacy



Original Color

23, 4.670, 181.944

Protanomaly

23, 1.923, 155.419

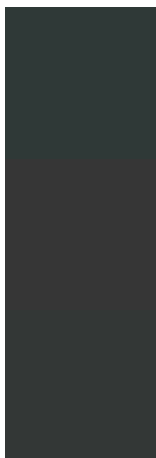
Deuteranomaly

23, 1.421, 309.167

Tritanomaly

23, 3.965, 229.356

Monochromacy



Original Color

23, 4.670, 181.944

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 1.946, 179.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 4.670, 181.944 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(47, 57, 55)` looks like.

```
.text, #text, p{  
    color:rgb(47, 57, 55)  
}
```

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(47, 57, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 57, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 4.670, 181.944 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(47, 57, 55) }
```

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

```
.border{ border-color:rgb(47, 57, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 57, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 57, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 57, 55);  
box-shadow:4px 4px 4px 4px rgb(47, 57, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 4.670, 181.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 57, 55) }
```

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

```
.background{ background-color: rgb(47, 57,  
55) }
```

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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