

Converting Colors

CIELCh(23, 4.787, 225.886)

Have a look what the booklet for
CIELCh(23, 4.787, 225.886) contains.

CIELCh(23, 5.058, 222.077)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(23, 5.058, 222.077)

Conversions

Conversions Part 1

Format	Color
Hex	2E393C
RGB	46, 57, 60
RGB Percent	18%, 22%, 24%
CMY	0.8206, 0.7774, 0.7657
CMYK	0.23, 0.05, 0.00, 0.77
HSL	193°, 13%, 21%
HSV	193°, 23%, 23%
XYZ	3.3754, 3.8003, 4.7957
YIQ	54.0530, -7.5190, -1.3990

Conversions

Conversions Part 2

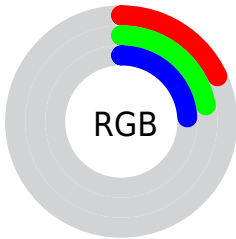
Format	Color
RYB	46, 52, 60
Decimal	3029308
CIELab	23.00, -3.75, -3.39
CIElCh	23, 5.058, 222.077
Yxy	3.8003, 0.2820, 0.3174
Android (android.graphics.Color)	4281219388 (0xFF2E393C)
YUV	54.0530, 2.9319, -7.0625
Hunter-Lab	19.4944, -3.2080, -0.9396

Details

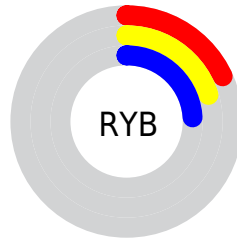
The CIELCh color **23, 5.058, 222.077** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 5.771, 40.680**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 5.044, 219.957**, and **3, 4.551, 228.361** is the 20% darker color. If you saturate the color by 10%, you get **22, 7.016, 222.669**, and if you desaturate by 10%, it is **24, 2.969, 221.640**.

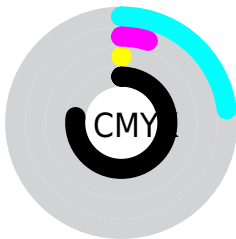
Distribution



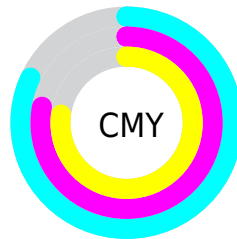
- Red (18%)
- Green (22%)
- Blue (24%)



- Red (18%)
- Yellow (20%)
- Blue (24%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (77%)



- Cyan (82%)
- Magenta (78%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 5.058, 222.077 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, 5.058, 222.077 by changing the saturation by 10% instead.

■ 23, 5.058, 222.077

■ 23, 5.058, 222.077

■ 100, 5.058,
222.077

■ 13, 5.058, 222.077

■ 43, 5.058, 222.077

■ 3, 5.058, 222.077

■ 53, 5.058, 222.077

■ 0, 5.058, 222.077

■ 63, 5.058, 222.077

■ 73, 5.058, 222.077

■ 83, 5.058, 222.077

■ 93, 5.058, 222.077

■ 23, 5.058, 222.077

■ 23, 5.058, 222.077

■ 22, 7.016, 222.669

■ 24, 2.969, 221.640

■ 21, 8.817, 223.462

■ 25, 0.773, 221.523

■ 20, 10.438,
224.485

■ 26, 1.510, 40.834

■ 20, 11.855,
225.785

■ 27, 3.861, 40.766

■ 28, 6.265, 40.692

■ 19, 13.050,
227.415

■ 29, 8.707, 40.656

■ 18, 14.016,
229.433

■ 30, 11.176, 40.654

■ 31, 13.664, 40.682

■ 18, 14.904,
231.479

■ 32, 16.162, 40.732

■ 17, 15.523,
232.647

Harmonies

Complementary

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



23, 5.058, 222.077



21, 5.771, 40.680

Rectangle

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



23, 5.058, 222.077



23, 5.058, 272.077



23, 5.058, 42.077



23, 5.058, 92.077

Sweetspot

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



23, 5.058, 222.069



32, 1.929, 221.484



24, 9.866, 149.114



15, 1.230, 221.483



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, 5.058, 222.069



29, 7.315, 222.395



21, 6.824, 276.534



11, 1.267, 221.503



29, 21.236, 235.704



66, 39.950, 239.202

Inverse Universe

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



21, 9.807, 332.315



26, 14.420, 332.656



23, 6.801, 91.177



10, 2.355, 331.449



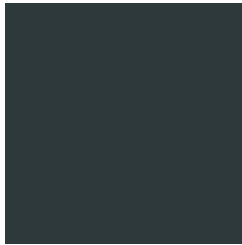
20, 47.794, 338.195



50, 87.988, 339.194

Previews

White Background



This preview shows how the CIELCh color 23, 5.058, 222.077 looks on a white background.

Color Contrast Check

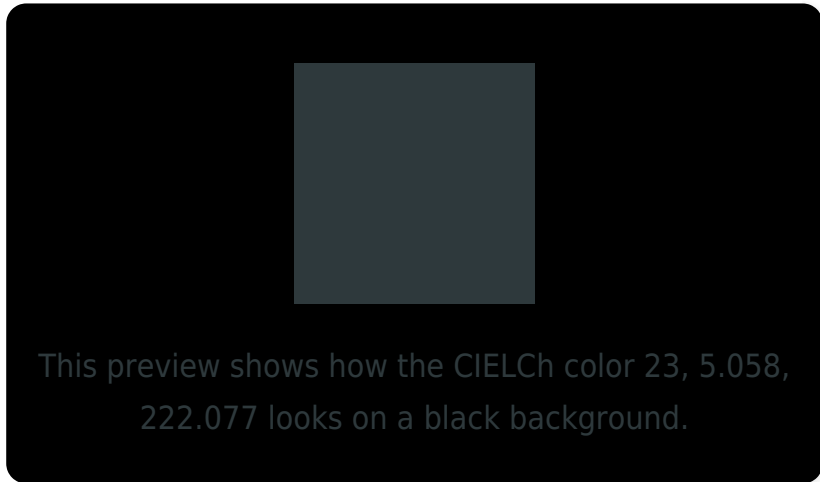
Large Text (above 18pt) WCAG AA ✓ Pass

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

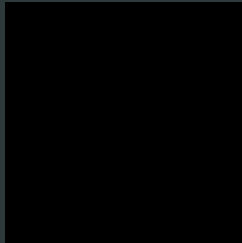
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 5.058, 222.077

Background



This preview shows how black text looks on a background with the CIELCh color 23, 5.058, 222.077.



This preview shows how white text looks on a background with the CIELCh color 23, 5.058, 222.077.

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, 5.058, 222.077

Protanopia

23, 2.720, 300.280

Deuteranopia

23, 5.036, 311.940



Tritanopia
23, 5.308, 229.016

Trichromacy



Original Color

23, 5.058, 222.077

Protanomaly

23, 2.956, 264.156

Deuteranomaly

23, 4.029, 284.802

Tritanomaly

23, 5.308, 229.016

Monochromacy



Original Color

23, 5.058, 222.077

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 1.903, 219.800

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 23, 5.058, 222.077 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(46, 57, 60)` looks like.

```
.text, #text, p{  
    color:rgb(46, 57, 60)  
}
```

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(46, 57, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 57, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 5.058, 222.077 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(46, 57, 60) }
```

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

```
.border{ border-color:rgb(46, 57, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 57, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 57, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 57, 60);  
box-shadow:4px 4px 4px 4px rgb(46, 57, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 5.058, 222.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 57, 60) }
```

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

```
.background{ background-color: rgb(46, 57,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor