

Converting Colors

CIELCh(21, 38.179, 190.294)

Have a look what the booklet for
CIELCh(21, 38.179, 190.294)
contains.

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Color

CIELCh(23, 19.066, 190.159)

Conversions

Conversions Part 1

Format	Color
Hex	003E3B
RGB	0, 62, 59
RGB Percent	0%, 24%, 23%
CMY	1.0000, 0.7554, 0.7671
CMYK	1.00, 0.00, 0.05, 0.76
HSL	177°, 100%, 12%
HSV	177°, 100%, 24%
XYZ	2.5324, 3.8003, 4.7903
YIQ	43.1200, -35.9890, -14.0770

Conversions

Conversions Part 2

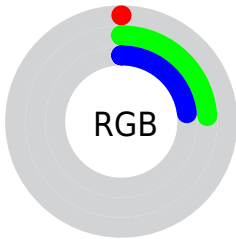
Format	Color
RYB	0, 32, 62
Decimal	15931
CIELab	23.00, -18.77, -3.36
CIELCh	23, 19.066, 190.159
Yxy	3.8003, 0.2277, 0.3417
Android (android.graphics.Color)	4278206011 (0xFF003E3B)
YUV	43.1200, 7.8288, -37.8162
Hunter-Lab	19.4944, -10.9277, -0.9231

Details

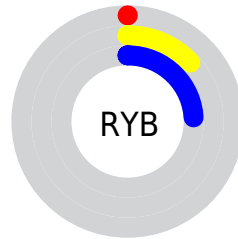
The CIELCh color **23, 19.066, 190.159** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 32.371, 24.707**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 19.001, 189.873**, and **4, 5.564, 193.344** is the 20% darker color. If you saturate the color by 10%, you get **23, 18.944, 190.139**, and if you desaturate by 10%, it is **23, 17.926, 190.608**.

Distribution



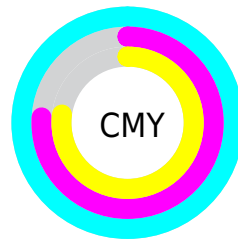
- Red (0%)
- Green (24%)
- Blue (23%)



- Red (0%)
- Yellow (13%)
- Blue (24%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (76%)





- Cyan (100%)
- Magenta (76%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 19.066, 190.159 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, 19.066, 190.159 by changing the saturation by 10% instead.

 23, 19.066,
190.159


 23, 19.066,
190.159

 100, 19.066,
190.159


 13, 19.066,
190.159


 43, 19.066,
190.159


 3, 19.066, 190.159

 53, 19.066,
190.159

 0, 19.066, 190.159

 63, 19.066,
190.159

 73, 19.066,
190.159

 83, 19.066,
190.159

 93, 19.066,

190.159

■ 23, 19.066,
190.159

■ 23, 19.066,
190.159

■ 23, 18.944,
190.139

■ 23, 17.926,
190.608

■ 23, 16.914,
191.115

■ 24, 15.659,
191.627

■ 24, 14.108,
192.142

■ 24, 12.278,
192.665

■ 24, 10.195,
193.201

■ 25, 7.890, 193.752

■ 25, 5.400, 194.323

■ 26, 2.759, 194.935

Harmonies

Complementary

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



23, 19.066, 190.159



9, 32.371, 24.707

Rectangle

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



23, 19.066, 190.159



23, 19.066, 240.159



23, 19.066, 10.159



23, 19.066, 60.159

Sweetspot

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



23, 18.944, 190.139



33, 9.831, 193.676



22, 42.686, 136.217



15, 6.564, 193.595



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 18.944, 190.139



31, 22.711, 189.866



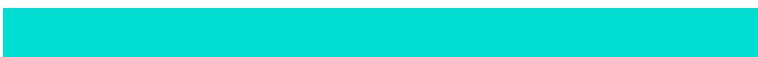
13, 21.318, 271.689



11, 1.512, 195.043



36, 25.123, 189.739



80, 46.962, 189.227

Inverse Universe

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



9, 32.371, 24.707



14, 40.824, 30.565



15, 26.498, 56.770



10, 1.576, 15.863



17, 46.288, 32.972



46, 92.217, 38.475

Previews

White Background



This preview shows how the CIELCh color 23, 19.066, 190.159 looks on a white background.

Color Contrast Check

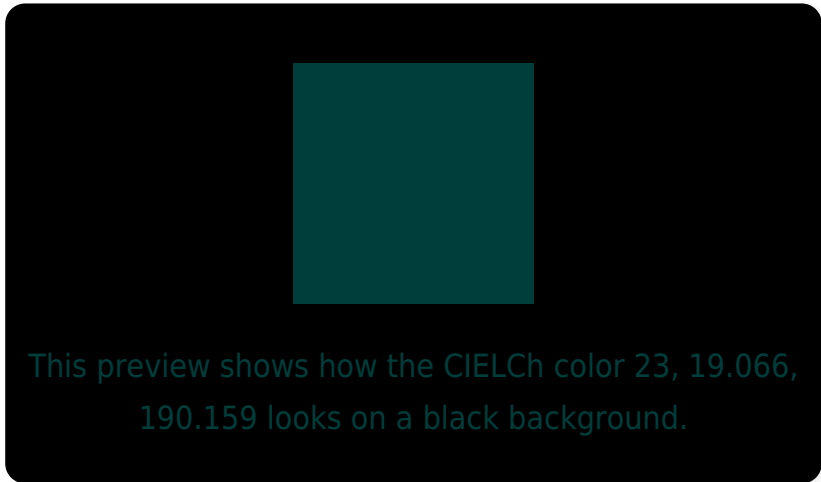
Large Text (above 18pt) WCAG AA ✓ Pass

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

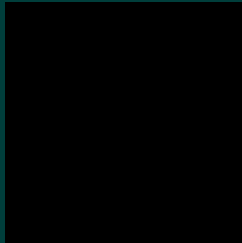
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 19.066, 190.159

Background



This preview shows how black text looks on a background with the CIELCh color 23, 19.066, 190.159.



This preview shows how white text looks on a background with the CIELCh color 23, 19.066, 190.159.

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, 18.877, 190.080

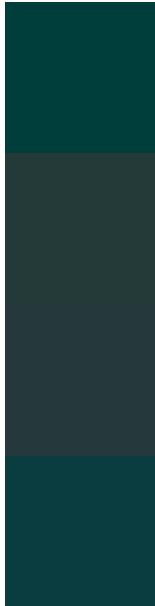
Protanopia
23, 0.460, 19.007

Deuteranopia
23, 5.022, 311.934



Tritanopia
23, 15.438, 209.591

Trichromacy



Original Color
23, 18.877, 190.080

Protanomaly
23, 9.168, 193.565

Deuteranomaly
22, 8.324, 212.109

Tritanomaly
23, 16.299, 203.892

Monochromacy



Original Color
23, 18.877, 190.080

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 9.584, 193.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 19.066, 190.159 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(0, 62, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 59)  
}
```

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(0, 62, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 19.066, 190.159 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(0, 62, 59) }
```

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

```
.border{ border-color:rgb(0, 62, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 62, 59); box-shadow:4px  
4px 4px 4px rgb(0, 62, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 19.066, 190.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 59) }
```

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

```
.background{ background-color: rgb(0, 62,  
59) }
```

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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