

Converting Colors

CIELCh(18, 29.769, 165.773)

Have a look what the booklet for
CIELCh(18, 29.769, 165.773)
contains.

CIELCh(19, 23.858, 160.225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 23.858, 160.225)

Conversions

Conversions Part 1

Format	Color
Hex	013622
RGB	1, 54, 34
RGB Percent	0%, 21%, 13%
CMY	0.9967, 0.7887, 0.8674
CMYK	0.98, 0.00, 0.37, 0.79
HSL	157°, 97%, 11%
HSV	157°, 98%, 21%
XYZ	1.6100, 2.7468, 1.9440
YIQ	35.8730, -25.1680, -17.4560

Conversions

Conversions Part 2

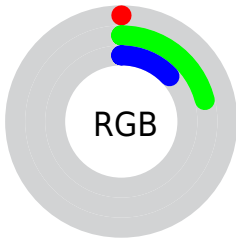
Format	Color
R_{YB}	1, 34, 54
Decimal	79394
CIE _{Lab}	19.00, -22.45, 8.07
CIE _{LCh}	19, 23.858, 160.225
Yxy	2.7468, 0.2555, 0.4359
Android (android.graphics.Color)	4278269474 (0xFF013622)
YUV	35.8730, -0.9234, -30.5836
Hunter-Lab	16.5735, -11.6633, 4.6469

Details

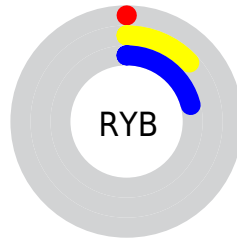
The CIELCh color **19, 23.858, 160.225** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 27.585, 4.343**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 23.706, 160.217**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 24.171, 160.067**, and if you desaturate by 10%, it is **19, 21.909, 161.365**.

Distribution



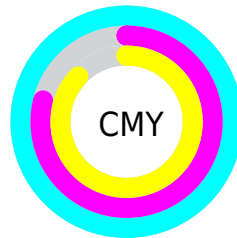
- Red (0%)
- Green (21%)
- Blue (13%)



- Red (0%)
- Yellow (13%)
- Blue (21%)



- Cyan (98%)
- Magenta (0%)
- Yellow (37%)
- Black (79%)





- Cyan (100%)
- Magenta (79%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 23.858, 160.225 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 19, 23.858, 160.225 by changing the saturation by 10% instead.

 19, 23.858,
160.225

 19, 23.858,
160.225


 100, 23.858,
160.225


 9, 23.858, 160.225


 39, 23.858,
160.225

 0, 23.858, 160.225

 49, 23.858,
160.225


 59, 23.858,
160.225


 69, 23.858,
160.225


 79, 23.858,
160.225


 89, 23.858,


160.225


 99, 23.858,
160.225


 19, 23.858,
160.225


 19, 23.858,
160.225


 19, 24.171,
160.067

 19, 21.909,
161.365

 19, 20.008,
162.763

 20, 17.953,
164.131

 20, 15.692,
165.370

 20, 13.254,
166.495

■ 21, 10.670,
167.523

■ 21, 7.977, 168.468

■ 22, 5.206, 169.346

■ 22, 2.389, 170.192

Harmonies

Complementary

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



19, 23.858, 160.225



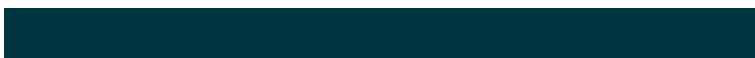
8, 27.585, 4.343

Rectangle

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



19, 23.858, 160.225



19, 23.858, 210.225



19, 23.858, 340.225



19, 23.858, 30.225

Sweetspot

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



19, 23.858, 160.225



27, 10.310, 168.193



19, 34.694, 130.827



13, 7.097, 168.085



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 23.858, 160.225



25, 28.885, 158.944



17, 14.703, 214.009



10, 1.624, 170.194



34, 35.772, 157.879



78, 69.761, 155.881

Inverse Universe

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



8, 27.585, 4.343



12, 32.916, 7.343



8, 26.054, 29.494



9, 1.651, 351.327



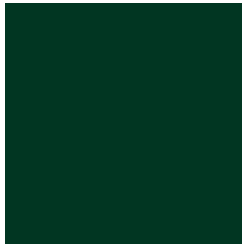
17, 40.091, 9.730



47, 76.160, 14.419

Previews

White Background



This preview shows how the CIELCh color 19, 23.858, 160.225 looks on a white background.

Color Contrast Check

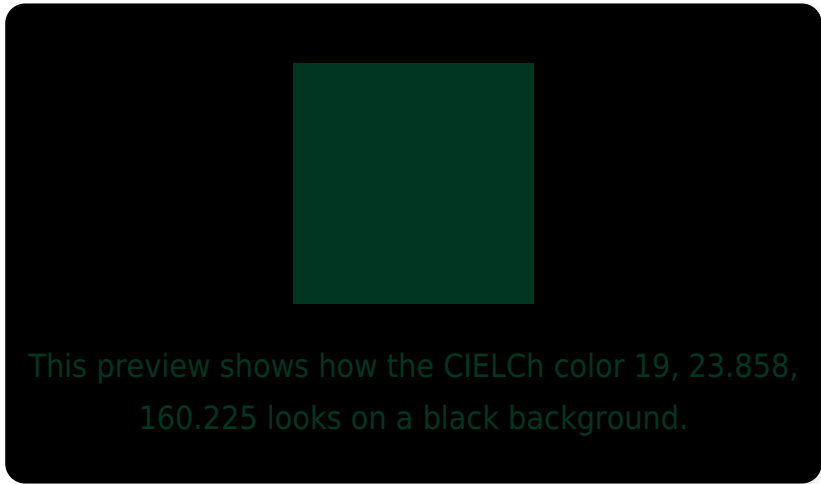
Large Text (above 18pt) WCAG AA ✓ Pass

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

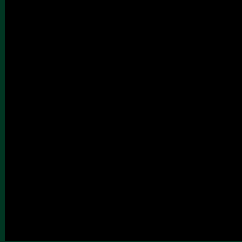
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 23.858, 160.225

Background



This preview shows how black text looks on a background with the CIELCh color 19, 23.858, 160.225.



This preview shows how white text looks on a background with the CIELCh color 19, 23.858, 160.225.

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
19, 23.813, 160.317

Protanopia
19, 11.024, 96.559

Deuteranopia
19, 8.064, 68.997



Tritanopia
19, 11.945, 210.695

Trichromacy



Original Color
19, 23.813, 160.317

Protanomaly
19, 14.757, 141.021

Deuteranomaly
18, 10.929, 142.982

Tritanomaly
19, 15.228, 183.389

Monochromacy



Original Color
19, 23.813, 160.317

Achromatopsia
14, 0.003, 296.813

Achromatomaly
16, 10.774, 165.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 23.858, 160.225 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(1, 54, 34)` looks like.

```
.text, #text, p{  
    color:rgb(1, 54, 34)  
}
```

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(1, 54, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 54, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 23.858, 160.225 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(1, 54, 34) }
```

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

```
.border{ border-color:rgb(1, 54, 34) }
```

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

Here you see how a box with a 4 pixel rgb(1, 54, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 54, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 54, 34); box-shadow:4px  
4px 4px 4px rgb(1, 54, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 23.858, 160.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 54, 34) }
```

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

```
.background{ background-color: rgb(1, 54,  
34) }
```

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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