

Converting Colors

CIELCh(23, 19.195, 150.962)

Have a look what the booklet for
CIELCh(23, 19.195, 150.962)
contains.

CIELCh(23, 19.369, 150.480)	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(23, 19.369, 150.480)

Conversions

Conversions Part 1

Format	Color
Hex	1F3D28
RGB	31, 61, 40
RGB Percent	12%, 24%, 16%
CMY	0.8779, 0.7602, 0.8426
CMYK	0.49, 0.00, 0.34, 0.76
HSL	138°, 33%, 18%
HSV	138°, 49%, 24%
XYZ	2.6309, 3.8003, 2.6142
YIQ	49.6360, -11.1390, -12.8910

Conversions

Conversions Part 2

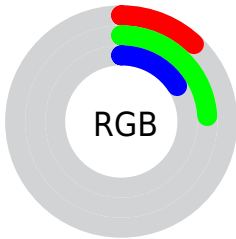
Format	Color
R_{YB}	31, 54, 61
Decimal	2047272
CIE _{Lab}	23.00, -16.85, 9.54
CIE _{LCh}	23, 19.369, 150.480
Yxy	3.8003, 0.2909, 0.4201
Android (android.graphics.Color)	4280237352 (0xFF1F3D28)
YUV	49.6360, -4.7505, -16.3438
Hunter-Lab	19.4944, -10.0254, 5.6951

Details

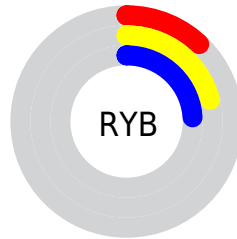
The CIELCh color **23, 19.369, 150.480** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 19.578, 337.500**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 19.625, 150.206**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 23.051, 149.384**, and if you desaturate by 10%, it is **23, 15.531, 151.451**.

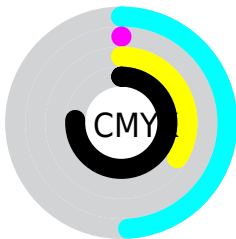
Distribution



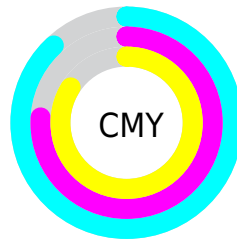
- Red (12%)
- Green (24%)
- Blue (16%)



- Red (12%)
- Yellow (21%)
- Blue (24%)



- Cyan (49%)
- Magenta (0%)
- Yellow (34%)
- Black (76%)





- Cyan (88%)
- Magenta (76%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 19.369, 150.480 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, 19.369, 150.480 by changing the saturation by 10% instead.

 23, 19.369,
150.480


 23, 19.369,
150.480

 100, 19.369,
150.480


 13, 19.369,
150.480


 43, 19.369,
150.480


 3, 19.369, 150.480

 53, 19.369,
150.480

 0, 19.369, 150.480

 63, 19.369,
150.480

 73, 19.369,
150.480

 83, 19.369,
150.480

 93, 19.369,

150.480

■ 23, 19.369,
150.480

■ 23, 19.369,
150.480

■ 23, 23.051,
149.384

■ 23, 15.531,
151.451

■ 22, 26.517,
148.151

■ 24, 11.592,
152.311

■ 22, 29.713,
146.779

■ 25, 7.602, 153.076

■ 25, 3.603, 153.771

■ 22, 32.633,
145.348

■ 26, 0.370, 333.934

■ 22, 35.465,
144.237

■ 27, 4.289, 334.833

■ 22, 35.724,
144.152

■ 27, 8.136, 335.333

■ 28, 11.895,
335.776

■ 29, 15.558,
336.178

Harmonies

Complementary

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



23, 19.369, 150.480



17, 19.578, 337.500

Rectangle

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



23, 19.369, 150.480



23, 19.369, 200.480



23, 19.369, 330.480



23, 19.369, 20.480

Sweetspot

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



23, 19.370, 150.480



32, 7.399, 153.319



24, 19.710, 118.666



16, 5.096, 153.262



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, 19.370, 150.480



30, 28.416, 149.085



23, 13.124, 177.781



11, 2.205, 153.814



34, 49.590, 142.578



78, 96.029, 140.887

Inverse Universe

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



17, 19.578, 337.500



20, 28.565, 338.508



16, 15.602, 7.420



10, 2.215, 334.729



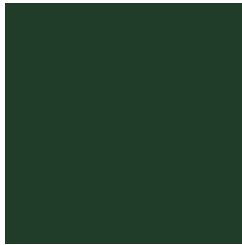
19, 45.162, 343.491



49, 82.915, 345.132

Previews

White Background



This preview shows how the CIELCh color 23, 19.369, 150.480 looks on a white background.

Color Contrast Check

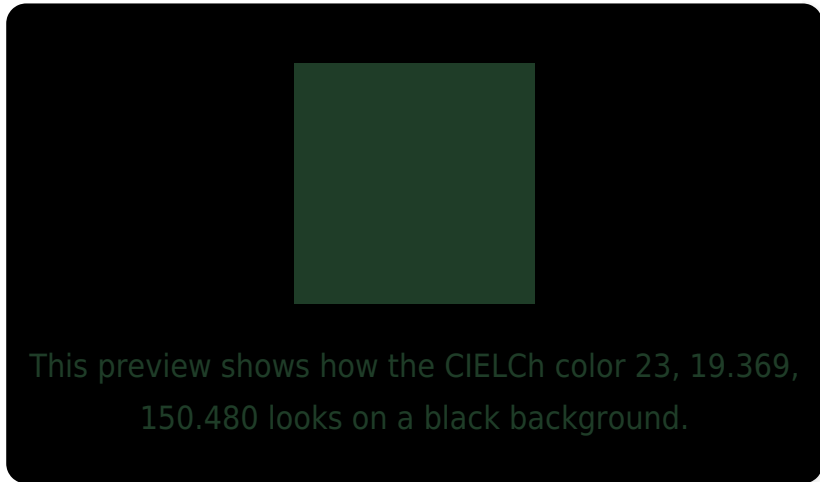
Large Text (above 18pt) WCAG AA ✓ Pass

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

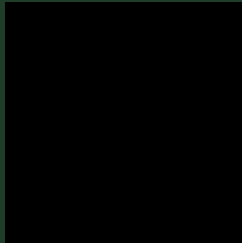
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 19.369, 150.480

Background



This preview shows how black text looks on a background with the CIELCh color 23, 19.369, 150.480.



This preview shows how white text looks on a background with the CIELCh color 23, 19.369, 150.480.

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](#).

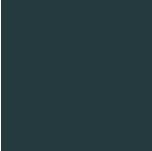
Dichromacy



Original Color
23, 19.369, 150.480

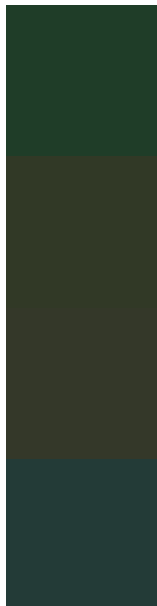
Protanopia
23, 12.053, 97.775

Deuteranopia
23, 9.233, 71.683



Tritanopia
23, 8.890, 220.307

Trichromacy



Original Color
23, 19.369, 150.480

Protanomaly
23, 13.120, 124.854

Deuteranomaly
23, 10.111, 119.149

Tritanomaly
23, 10.461, 182.667

Monochromacy



Original Color
23, 19.369, 150.480

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 7.465, 151.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 19.369, 150.480 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(31, 61, 40)` looks like.

```
.text, #text, p{  
    color:rgb(31, 61, 40)  
}
```

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(31, 61, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 61, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 19.369, 150.480 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(31, 61, 40) }
```

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

```
.border{ border-color:rgb(31, 61, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 61, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 61, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 61, 40);  
box-shadow:4px 4px 4px 4px rgb(31, 61, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 19.369, 150.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 61, 40) }
```

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

```
.background{ background-color: rgb(31, 61,  
40) }
```

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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