

Converting Colors

CIELCh(23, 18.741, 189.896)

Have a look what the booklet for
CIELCh(23, 18.741, 189.896)
contains.

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Color

CIELCh(23, 18.722, 190.054)

Conversions

Conversions Part 1

Format	Color
Hex	013E3B
RGB	1, 62, 59
RGB Percent	0%, 24%, 23%
CMY	0.9948, 0.7558, 0.7676
CMYK	0.98, 0.00, 0.05, 0.76
HSL	177°, 96%, 12%
HSV	177°, 98%, 24%
XYZ	2.5493, 3.8003, 4.7711
YIQ	43.4190, -35.3930, -13.8650

Conversions

Conversions Part 2

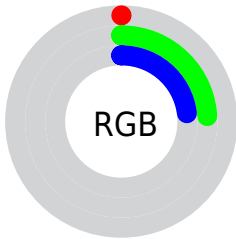
Format	Color
R_{YB}	1, 32, 62
Decimal	81467
CIE _{Lab}	23.00, -18.43, -3.27
CIE _{LCh}	23, 18.722, 190.054
Y _{xy}	3.8003, 0.2292, 0.3417
Android (android.graphics.Color)	4278271547 (0xFF013E3B)
YUV	43.4190, 7.6814, -37.2015
Hunter-Lab	19.4944, -10.7725, -0.8647

Details

The CIELCh color **23, 18.722, 190.054** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 31.689, 24.811**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 18.729, 189.798**, and **4, 5.564, 193.344** is the 20% darker color. If you saturate the color by 10%, you get **23, 18.944, 189.954**, and if you desaturate by 10%, it is **23, 17.707, 190.539**.

Distribution



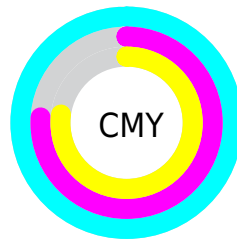
- Red (0%)
- Green (24%)
- Blue (23%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (5%)
- Black (76%)





- Cyan (99%)
- Magenta (76%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 18.722, 190.054 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, 18.722, 190.054 by changing the saturation by 10% instead.

 23, 18.722,
190.054


 23, 18.722,
190.054

 100, 18.722,
190.054


 13, 18.722,
190.054


 43, 18.722,
190.054


 3, 18.722, 190.054

 53, 18.722,
190.054

 0, 18.722, 190.054

 63, 18.722,
190.054

 73, 18.722,
190.054

 83, 18.722,
190.054

 93, 18.722,

190.054

■ 23, 18.722,
190.054

■ 23, 18.722,
190.054

■ 23, 18.944,
189.954

■ 23, 17.707,
190.539

■ 23, 16.663,
191.060

■ 24, 15.342,
191.581

■ 24, 13.728,
192.105

■ 24, 11.841,
192.637

■ 24, 9.708, 193.182

■ 25, 7.362, 193.741

■ 25, 4.838, 194.321

■ 26, 2.172, 194.957

Harmonies

Complementary

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



23, 18.722, 190.054



10, 31.689, 24.811

Rectangle

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



23, 18.722, 190.054



23, 18.722, 240.054



23, 18.722, 10.054



23, 18.722, 60.054

Sweetspot

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



23, 18.722, 190.053



33, 9.536, 193.601



22, 41.994, 136.334



15, 6.402, 193.512



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, 18.722, 190.053



31, 22.740, 189.671



13, 20.844, 271.120



11, 1.512, 194.918



36, 25.156, 189.541



80, 47.029, 189.014

Inverse Universe

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



10, 31.689, 24.811



14, 40.804, 30.505



15, 25.999, 57.156



10, 1.576, 15.742



17, 46.261, 32.911



46, 92.160, 38.427

Previews

White Background



This preview shows how the CIELCh color 23, 18.722, 190.054 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



This preview shows how the CIELCh color 23, 18.722, 190.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

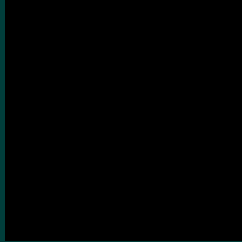
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 18.722, 190.054

Background



This preview shows how black text looks on a background with the CIELCh color 23, 18.722, 190.054.



This preview shows how white text looks on a background with the CIELCh color 23, 18.722, 190.054.

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, 18.722, 190.054

Protanopia
23, 0.460, 19.007

Deuteranopia
23, 5.022, 311.934



Tritanopia
23, 15.438, 209.591

Trichromacy



Original Color
23, 18.722, 190.054

Protanomaly
23, 9.168, 193.565

Deuteranomaly
22, 8.324, 212.109

Tritanomaly
23, 16.299, 203.892

Monochromacy



Original Color
23, 18.722, 190.054

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 9.578, 193.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 18.722, 190.054 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, 62, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 62, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 62, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 18.722, 190.054 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, 62, 59) }
```

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

```
.border{ border-color:rgb(1, 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(1, 62, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 62, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 62, 59); box-shadow:4px  
4px 4px 4px rgb(1, 62, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 18.722, 190.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 62, 59) }
```

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

```
.background{ background-color: rgb(1, 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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