

Converting Colors

CIELCh(23, 18.447, 192.495)

Have a look what the booklet for
CIELCh(23, 18.447, 192.495)
contains.

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Color

CIELCh(23, 18.488, 192.125)

Conversions

Conversions Part 1

Format	Color
Hex	013E3C
RGB	1, 62, 60
RGB Percent	0%, 24%, 24%
CMY	0.9952, 0.7562, 0.7640
CMYK	0.98, 0.00, 0.03, 0.76
HSL	178°, 96%, 12%
HSV	178°, 98%, 24%
XYZ	2.5677, 3.8003, 4.8970
YIQ	43.5330, -35.7140, -13.5540

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 32, 62
Decimal	81468
CIE _{Lab}	23.00, -18.08, -3.88
CIE _{LCh}	23, 18.488, 192.125
Yxy	3.8003, 0.2279, 0.3374
Android (android.graphics.Color)	4278271548 (0xFF013E3C)
YUV	43.5330, 8.1182, -37.3014
Hunter-Lab	19.4944, -10.6041, -1.2476

Details

The CIELCh color **23, 18.488, 192.125** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 31.819, 25.428**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 18.560, 191.640**, and **5, 5.988, 193.523** is the 20% darker color. If you saturate the color by 10%, you get **23, 18.686, 192.052**, and if you desaturate by 10%, it is **23, 17.508, 192.503**.

Distribution



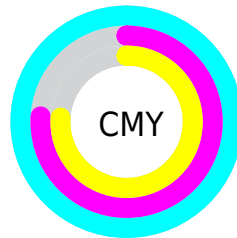
- Red (0%)
- Green (24%)
- Blue (24%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (3%)
- Black (76%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 18.488, 192.125 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, 18.488, 192.125 by changing the saturation by 10% instead.

 23, 18.488,
192.125


 23, 18.488,
192.125

 100, 18.488,
192.125


 13, 18.488,
192.125


 43, 18.488,
192.125


 3, 18.488, 192.125

 53, 18.488,
192.125

 0, 18.488, 192.125

 63, 18.488,
192.125

 73, 18.488,
192.125

 83, 18.488,
192.125

 93, 18.488,

192.125

■ 23, 18.488,
192.125

■ 23, 18.488,
192.125

■ 23, 18.686,
192.052

■ 23, 17.508,
192.503

■ 23, 16.500,
192.907

■ 23, 15.217,
193.326

■ 24, 13.640,
193.762

■ 24, 11.786,
194.220

■ 24, 9.683, 194.701

■ 25, 7.363, 195.207

■ 25, 4.860, 195.742

■ 26, 2.210, 196.337

Harmonies

Complementary

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



23, 18.488, 192.125



10, 31.819, 25.428

Rectangle

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



23, 18.488, 192.125



23, 18.488, 242.125



23, 18.488, 12.125



23, 18.488, 62.125

Sweetspot

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



23, 18.488, 192.124



33, 9.493, 195.088



22, 42.132, 136.565



15, 6.372, 195.006



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, 18.488, 192.124



31, 22.433, 191.858



13, 21.473, 273.161



11, 1.508, 196.311



36, 24.809, 191.769



80, 46.317, 191.407

Inverse Universe

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



10, 31.819, 25.428



14, 41.034, 31.170



15, 25.938, 58.757



10, 1.575, 17.082



17, 46.562, 33.575



46, 92.783, 38.939

Previews

White Background



This preview shows how the CIELCh color 23, 18.488, 192.125 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, 18.488, 192.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

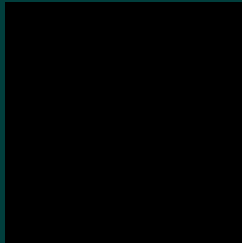
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 18.488, 192.125

Background



This preview shows how black text looks on a background with the CIELCh color 23, 18.488, 192.125.



This preview shows how white text looks on a background with the CIELCh color 23, 18.488, 192.125.

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](#).

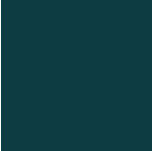
Dichromacy



Original Color
23, 18.488, 192.125

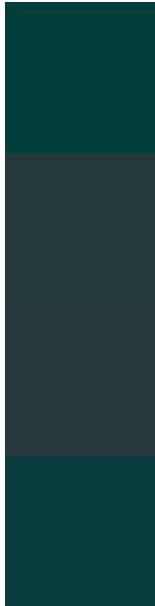
Protanopia
23, 0.816, 324.396

Deuteranopia
23, 5.647, 309.565



Tritanopia
23, 15.600, 209.434

Trichromacy



Original Color
23, 18.488, 192.125

Protanomaly
23, 9.055, 197.815

Deuteranomaly
23, 8.424, 216.757

Tritanomaly
23, 16.299, 203.892

Monochromacy



Original Color
23, 18.488, 192.125

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, 18.488, 192.125 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(1, 62, 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(1, 62, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 62, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 18.488, 192.125 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, 60) }
```

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

```
.border{ border-color:rgb(1, 62, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 62, 60); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 62, 60); box-shadow:4px  
4px 4px 4px rgb(1, 62, 60) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 18.488, 192.125 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, 60) }
```

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

```
.background{ background-color: rgb(1, 62,  
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](#).

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