

Converting Colors

CIELCh(23, 19.690, 173.022)

Have a look what the booklet for
CIELCh(23, 19.690, 173.022)
contains.

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Color

CIELCh(23, 19.346, 173.726)

Conversions

Conversions Part 1

Format	Color
Hex	0D3E33
RGB	13, 62, 51
RGB Percent	5%, 24%, 20%
CMY	0.9478, 0.7559, 0.7991
CMYK	0.79, 0.00, 0.18, 0.76
HSL	166°, 65%, 15%
HSV	166°, 79%, 24%
XYZ	2.5089, 3.8003, 3.7597
YIQ	46.0950, -25.6730, -13.8090

Conversions

Conversions Part 2

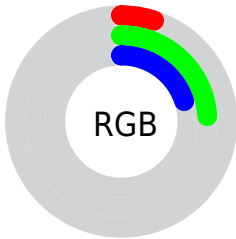
Format	Color
R_{YB}	13, 41, 62
Decimal	867891
CIE _{Lab}	23.00, -19.23, 2.11
CIE _{LCh}	23, 19.346, 173.726
Yxy	3.8003, 0.2492, 0.3774
Android (android.graphics.Color)	4279057971 (0xFF0D3E33)
YUV	46.0950, 2.4182, -29.0243
Hunter-Lab	19.4944, -11.1428, 2.2113

Details

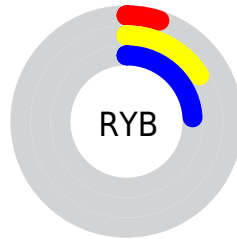
The CIELCh color **23, 19.346, 173.726** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 25.316, 13.385**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 19.555, 173.463**, and **4, 8.225, 152.377** is the 20% darker color. If you saturate the color by 10%, you get **23, 20.865, 172.404**, and if you desaturate by 10%, it is **23, 17.583, 174.964**.

Distribution



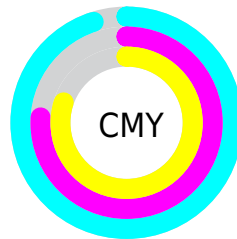
- Red (5%)
- Green (24%)
- Blue (20%)



- Red (5%)
- Yellow (16%)
- Blue (24%)



- Cyan (79%)
- Magenta (0%)
- Yellow (18%)
- Black (76%)




- Cyan (95%)
- Magenta (76%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 19.346, 173.726 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, 19.346, 173.726 by changing the saturation by 10% instead.

 23, 19.346,
173.726


 23, 19.346,
173.726

 100, 19.346,
173.726


 13, 19.346,
173.726


 43, 19.346,
173.726


 3, 19.346, 173.726

 53, 19.346,
173.726

 0, 19.346, 173.726

 63, 19.346,
173.726

 73, 19.346,
173.726

 83, 19.346,
173.726

 93, 19.346,

173.726

■ 23, 19.346,
173.726

■ 23, 19.346,
173.726

■ 23, 20.865,
172.404

■ 23, 17.583,
174.964

■ 23, 22.393,
171.236

■ 24, 15.553,
176.099

■ 23, 22.610,
171.087

■ 24, 13.285,
177.146

■ 24, 10.810,
178.121

■ 25, 8.166, 179.037

■ 25, 5.391, 179.909

■ 26, 2.521, 180.771

■ 26, 0.413, 0.930

■ 27, 3.383, 2.146

Harmonies

Complementary

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



23, 19.346, 173.726



12, 25.316, 13.385

Rectangle

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



23, 19.346, 173.726



23, 19.346, 223.726



23, 19.346, 353.726



23, 19.346, 43.726

Sweetspot

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



23, 19.346, 173.725



33, 8.634, 179.348



23, 34.659, 134.018



15, 5.818, 179.229



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, 19.346, 173.725



30, 26.439, 170.994



19, 14.159, 237.463



11, 1.603, 180.790



35, 30.458, 169.765



79, 57.986, 168.128

Inverse Universe

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



12, 25.316, 13.385



15, 36.474, 20.172



14, 23.024, 44.804



10, 1.647, 1.954



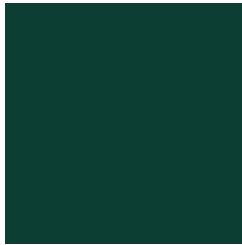
18, 42.930, 23.405



47, 82.801, 28.241

Previews

White Background



This preview shows how the CIELCh color 23, 19.346, 173.726 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, 19.346, 173.726 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, 19.346, 173.726

Background



This preview shows how black text looks on a background with the CIELCh color 23, 19.346, 173.726.



This preview shows how white text looks on a background with the CIELCh color 23, 19.346, 173.726.

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

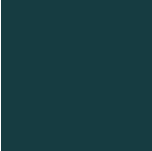
23, 19.346, 173.726

Protanopia

23, 5.500, 93.687

Deuteranopia

23, 3.769, 20.084



Tritanopia
23, 13.626, 211.588

Trichromacy



Original Color
23, 19.346, 173.726

Protanomaly
23, 9.471, 158.408

Deuteranomaly
22, 6.054, 171.992

Tritanomaly
23, 15.044, 194.281

Monochromacy



Original Color
23, 19.346, 173.726

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 8.408, 178.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 19.346, 173.726 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(13, 62, 51)` looks like.

```
.text, #text, p{  
    color:rgb(13, 62, 51)  
}
```

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(13, 62, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 62, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 19.346, 173.726 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(13, 62, 51) }
```

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

```
.border{ border-color:rgb(13, 62, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 62, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 62, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 62, 51);  
box-shadow:4px 4px 4px 4px rgb(13, 62, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 19.346, 173.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 62, 51) }
```

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

```
.background{ background-color: rgb(13, 62,  
51) }
```

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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