

Converting Colors

CIELCh(23, 17.339, 185.364)

Have a look what the booklet for
CIELCh(23, 17.339, 185.364)
contains.

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Color

CIELCh(23, 17.382, 185.299)

Conversions

Conversions Part 1

Format	Color
Hex	0D3E39
RGB	13, 62, 57
RGB Percent	5%, 24%, 22%
CMY	0.9501, 0.7576, 0.7772
CMYK	0.79, 0.00, 0.08, 0.76
HSL	174°, 66%, 15%
HSV	174°, 79%, 24%
XYZ	2.6073, 3.8003, 4.4414
YIQ	46.7790, -27.5990, -11.9430

Conversions

Conversions Part 2

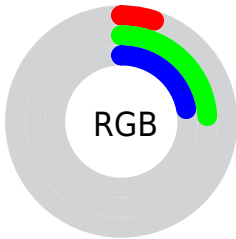
Format	Color
RYB	13, 39, 62
Decimal	867897
CIELab	23.00, -17.31, -1.61
CIELCh	23, 17.382, 185.299
Yxy	3.8003, 0.2403, 0.3503
Android (android.graphics.Color)	4279057977 (0xFF0D3E39)
YUV	46.7790, 5.0390, -29.6242
Hunter-Lab	19.4944, -10.2413, 0.1381

Details

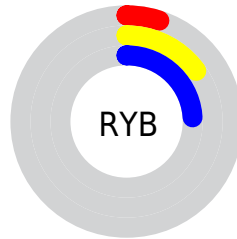
The CIELCh color **23, 17.382, 185.299** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 26.099, 22.262**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 17.403, 185.338**, and **4, 6.616, 174.216** is the 20% darker color. If you saturate the color by 10%, you get **23, 18.527, 184.461**, and if you desaturate by 10%, it is **23, 15.995, 186.107**.

Distribution



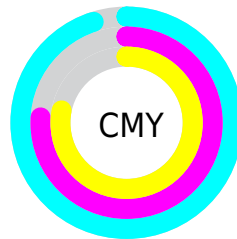
- Red (5%)
- Green (24%)
- Blue (22%)



- Red (5%)
- Yellow (15%)
- Blue (24%)



- Cyan (79%)
- Magenta (0%)
- Yellow (8%)
- Black (76%)




- Cyan (95%)
- Magenta (76%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 17.382, 185.299 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, 17.382, 185.299 by changing the saturation by 10% instead.

 23, 17.382,
185.299


 23, 17.382,
185.299

 100, 17.382,
185.299


 13, 17.382,
185.299


 43, 17.382,
185.299


 3, 17.382, 185.299

 53, 17.382,
185.299

 0, 17.382, 185.299

 63, 17.382,
185.299

 73, 17.382,
185.299

 83, 17.382,
185.299

 93, 17.382,

185.299

■ 23, 17.382,
185.299

■ 23, 17.382,
185.299

■ 23, 18.527,
184.461

■ 23, 15.995,
186.107

■ 23, 19.680,
183.703

■ 23, 14.321,
186.876

■ 23, 19.751,
183.660

■ 24, 12.382,
187.615

■ 24, 10.207,
188.334

■ 25, 7.829, 189.039

■ 25, 5.284, 189.739

■ 26, 2.606, 190.461

■ 26, 0.171, 9.676

■ 27, 3.019, 11.626

Harmonies

Complementary

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



23, 17.382, 185.299



12, 26.099, 22.262

Rectangle

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



23, 17.382, 185.299



23, 17.382, 235.299



23, 17.382, 5.299



23, 17.382, 55.299

Sweetspot

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



23, 17.382, 185.298



33, 8.140, 189.337



22, 35.774, 136.373



15, 5.479, 189.243



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, 17.382, 185.298



31, 23.321, 183.547



16, 15.654, 256.269



11, 1.529, 190.538



35, 26.460, 182.869



80, 49.719, 181.888

Inverse Universe

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



12, 26.099, 22.262



15, 38.572, 28.145



16, 22.143, 54.928



10, 1.588, 11.509



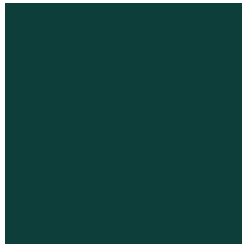
18, 45.346, 30.743



46, 89.735, 36.289

Previews

White Background



This preview shows how the CIELCh color 23, 17.382, 185.299 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, 17.382, 185.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

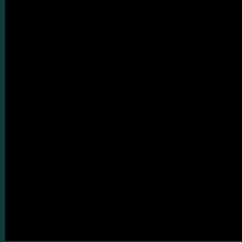
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 17.382, 185.299

Background



This preview shows how black text looks on a background with the CIELCh color 23, 17.382, 185.299.



This preview shows how white text looks on a background with the CIELCh color 23, 17.382, 185.299.

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](#).

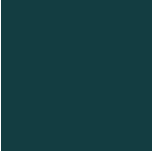
Dichromacy



Original Color
23, 17.382, 185.299

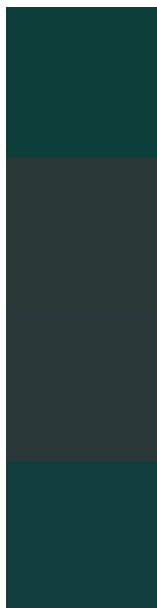
Protanopia
23, 1.402, 90.494

Deuteranopia
23, 4.863, 324.899



Tritanopia
23, 14.532, 207.766

Trichromacy



Original Color
23, 17.382, 185.299

Protanomaly
22, 7.685, 182.794

Deuteranomaly
22, 6.061, 211.241

Tritanomaly
23, 15.170, 199.419

Monochromacy



Original Color
23, 17.382, 185.299

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 7.373, 192.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 17.382, 185.299 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(13, 62, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 62, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 17.382, 185.299 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, 57) }
```

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

```
.border{ border-color:rgb(13, 62, 57) }
```

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, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 62, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 62, 57);  
box-shadow:4px 4px 4px 4px rgb(13, 62, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 17.382, 185.299 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, 57) }
```

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

```
.background{ background-color: rgb(13, 62,  
57) }
```

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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