

Converting Colors

CIELCh(23, 20.799, 180.135)

Have a look what the booklet for
CIELCh(23, 20.799, 180.135)
contains.

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Color

CIELCh(23, 20.850, 179.076)

Conversions

Conversions Part 1

Format	Color
Hex	003F36
RGB	0, 63, 54
RGB Percent	0%, 25%, 21%
CMY	1.0000, 0.7536, 0.7889
CMYK	1.00, 0.00, 0.14, 0.75
HSL	171°, 100%, 12%
HSV	171°, 100%, 25%
XYZ	2.4280, 3.8003, 4.0761
YIQ	43.1370, -34.6590, -16.1550

Conversions

Conversions Part 2

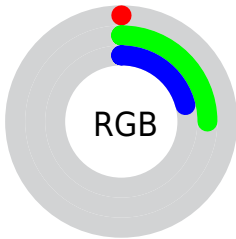
Format	Color
RYB	0, 34, 63
Decimal	16182
CIELab	23.00, -20.85, 0.34
CIElCh	23, 20.850, 179.076
Yxy	3.8003, 0.2356, 0.3688
Android (android.graphics.Color)	4278206262 (0xFF003F36)
YUV	43.1370, 5.3555, -37.8311
Hunter-Lab	19.4944, -11.8833, 1.2490

Details

The CIELCh color **23, 20.850, 179.076** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 31.947, 20.952**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 20.618, 179.963**, and **4, 7.579, 161.875** is the 20% darker color. If you saturate the color by 10%, you get **23, 20.819, 179.055**, and if you desaturate by 10%, it is **23, 19.544, 179.986**.

Distribution



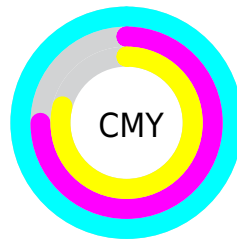
- Red (0%)
- Green (25%)
- Blue (21%)



- Red (0%)
- Yellow (13%)
- Blue (25%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (75%)





- Cyan (100%)
- Magenta (75%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 20.850, 179.076 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, 20.850, 179.076 by changing the saturation by 10% instead.

 23, 20.850,
179.076


 23, 20.850,
179.076

 100, 20.850,
179.076


 13, 20.850,
179.076


 43, 20.850,
179.076


 3, 20.850, 179.076

 53, 20.850,
179.076

 0, 20.850, 179.076

 63, 20.850,
179.076

 73, 20.850,
179.076

 83, 20.850,
179.076

 93, 20.850,

179.076

■ 23, 20.850,
179.076

■ 23, 20.850,
179.076

■ 23, 20.819,
179.055

■ 23, 19.544,
179.986

■ 23, 18.289,
181.029

■ 24, 16.798,
182.029

■ 24, 15.021,
182.961

■ 24, 12.980,
183.838

■ 25, 10.707,
184.672

■ 25, 8.236, 185.473

■ 25, 5.604, 186.253

■ 26, 2.847, 187.037

Harmonies

Complementary

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



23, 20.850, 179.076



10, 31.947, 20.952

Rectangle

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



23, 20.850, 179.076



23, 20.850, 229.076



23, 20.850, 359.076



23, 20.850, 49.076

Sweetspot

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



23, 20.819, 179.055



33, 10.207, 185.369



22, 42.154, 134.768



15, 6.821, 185.254



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, 20.819, 179.055



30, 24.957, 178.393



15, 18.203, 257.568



11, 1.549, 187.170



35, 27.673, 178.078



80, 52.231, 176.818

Inverse Universe

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



10, 31.947, 20.952



14, 39.587, 26.538



13, 27.511, 47.669



10, 1.602, 8.229



18, 44.612, 28.809



46, 87.445, 34.011

Previews

White Background



This preview shows how the CIELCh color 23, 20.850, 179.076 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, 20.850, 179.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

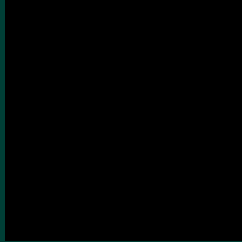
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 20.850, 179.076

Background



This preview shows how black text looks on a background with the CIELCh color 23, 20.850, 179.076.



This preview shows how white text looks on a background with the CIELCh color 23, 20.850, 179.076.

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, 20.850, 179.076

Protanopia

23, 3.607, 86.121

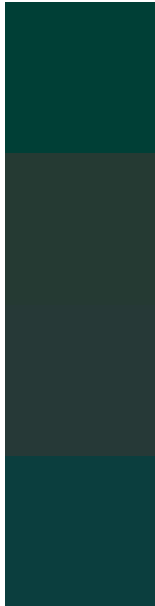
Deuteranopia

23, 3.083, 354.437



Tritanopia
23, 14.908, 210.125

Trichromacy



Original Color
23, 20.850, 179.076

Protanomaly
23, 10.361, 170.605

Deuteranomaly
22, 8.235, 188.497

Tritanomaly
23, 16.609, 196.643

Monochromacy



Original Color
23, 20.850, 179.076

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 9.976, 185.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 20.850, 179.076 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(0, 63, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 54)  
}
```

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(0, 63, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 20.850, 179.076 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(0, 63, 54) }
```

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

```
.border{ border-color:rgb(0, 63, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 63, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 54); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 63, 54); box-shadow:4px  
4px 4px 4px rgb(0, 63, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 20.850, 179.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 54) }
```

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

```
.background{ background-color: rgb(0, 63,  
54) }
```

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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