

Converting Colors

CIELCh(21, 38.950, 181.895)

Have a look what the booklet for
CIELCh(21, 38.950, 181.895)
contains.

CIELCh(23, 21.566, 175.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 21.566, 175.810)

Conversions

Conversions Part 1

Format	Color
Hex	003F34
RGB	0, 63, 52
RGB Percent	0%, 25%, 20%
CMY	1.0000, 0.7530, 0.7962
CMYK	1.00, 0.00, 0.17, 0.75
HSL	170°, 100%, 12%
HSV	170°, 100%, 25%
XYZ	2.3954, 3.8003, 3.8538
YIQ	42.9090, -34.0170, -16.7770

Conversions

Conversions Part 2

Format	Color
RYB	0, 35, 63
Decimal	16180
CIELab	23.00, -21.51, 1.58
CIELCh	23, 21.566, 175.810
Yxy	3.8003, 0.2384, 0.3782
Android (android.graphics.Color)	4278206260 (0xFF003F34)
YUV	42.9090, 4.4819, -37.6312
Hunter-Lab	19.4944, -12.1813, 1.9253

Details

The CIELCh color **23, 21.566, 175.810** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 31.827, 19.655**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 21.476, 175.473**, and **4, 8.383, 155.372** is the 20% darker color. If you saturate the color by 10%, you get **23, 21.563, 175.806**, and if you desaturate by 10%, it is **23, 20.190, 176.841**.

Distribution



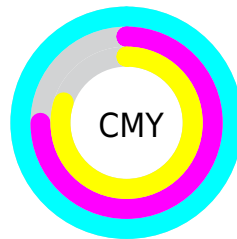
- Red (0%)
- Green (25%)
- Blue (20%)



- Red (0%)
- Yellow (14%)
- Blue (25%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (75%)





- Cyan (100%)
- Magenta (75%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 21.566, 175.810 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, 21.566, 175.810 by changing the saturation by 10% instead.

 23, 21.566,
175.810


 23, 21.566,
175.810

 100, 21.566,
175.810


 13, 21.566,
175.810


 43, 21.566,
175.810


 3, 21.566, 175.810

 53, 21.566,
175.810

 0, 21.566, 175.810

 63, 21.566,
175.810

 73, 21.566,
175.810

 83, 21.566,
175.810

 93, 21.566,

175.810

■ 23, 21.566,
175.810

■ 23, 21.566,
175.810

■ 23, 21.563,
175.806

■ 23, 20.190,
176.841

■ 23, 18.839,
178.010

■ 24, 17.256,
179.126

■ 24, 15.391,
180.157

■ 24, 13.269,
181.117

■ 25, 10.921,
182.021

■ 25, 8.384, 182.879

■ 25, 5.694, 183.706

■ 26, 2.887, 184.526

Harmonies

Complementary

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



23, 21.566, 175.810



10, 31.827, 19.655

Rectangle

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



23, 21.566, 175.810



23, 21.566, 225.810



23, 21.566, 355.810



23, 21.566, 45.810

Sweetspot

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



23, 21.563, 175.806



33, 10.373, 182.770



22, 41.977, 134.276



15, 6.934, 182.646



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, 21.563, 175.806



30, 25.853, 175.058



16, 17.436, 252.029



11, 1.568, 184.665



35, 28.692, 174.699



79, 54.338, 173.268

Inverse Universe

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



10, 31.827, 19.655



14, 39.165, 24.923



13, 27.973, 44.968



10, 1.617, 5.774



18, 43.990, 26.996



47, 85.625, 31.970

Previews

White Background



This preview shows how the CIELCh color 23, 21.566, 175.810 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, 21.566, 175.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

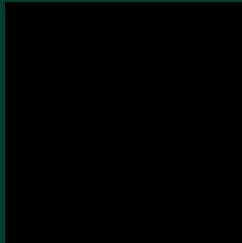
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 21.566, 175.810

Background



This preview shows how black text looks on a background with the CIELCh color 23, 21.566, 175.810.



This preview shows how white text looks on a background with the CIELCh color 23, 21.566, 175.810.

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, 21.566, 175.810

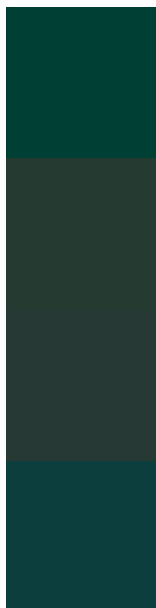
Protanopia
23, 4.861, 91.861

Deuteranopia
23, 3.279, 19.970



Tritanopia
23, 14.717, 210.326

Trichromacy



Original Color
23, 21.566, 175.810

Protanomaly
22, 11.141, 164.673

Deuteranomaly
22, 8.323, 179.036

Tritanomaly
23, 16.784, 194.296

Monochromacy



Original Color
23, 21.566, 175.810

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 10.233, 181.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 21.566, 175.810 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 21.566, 175.810 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, 52) }
```

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

```
.border{ border-color:rgb(0, 63, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 52); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 63, 52); box-shadow:4px  
4px 4px 4px rgb(0, 63, 52) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 21.566, 175.810 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, 52) }
```

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

```
.background{ background-color: rgb(0, 63,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor