

Converting Colors

CIELCh(23, 22.718, 171.973)

Have a look what the booklet for
CIELCh(23, 22.718, 171.973)
contains.

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Color

CIELCh(23, 22.331, 172.752)

Conversions

Conversions Part 1

Format	Color
Hex	003F32
RGB	0, 63, 50
RGB Percent	0%, 25%, 20%
CMY	0.9994, 0.7525, 0.8035
CMYK	1.00, 0.00, 0.21, 0.75
HSL	168°, 100%, 12%
HSV	168°, 100%, 25%
XYZ	2.3640, 3.8003, 3.6393
YIQ	42.6810, -33.3750, -17.3990

Conversions

Conversions Part 2

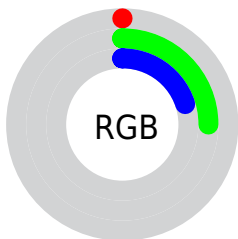
Format	Color
RYB	0, 35, 63
Decimal	16178
CIELab	23.00, -22.15, 2.82
CIELCh	23, 22.331, 172.752
Yxy	3.8003, 0.2411, 0.3876
Android (android.graphics.Color)	4278206258 (0xFF003F32)
YUV	42.6810, 3.6083, -37.4312
Hunter-Lab	19.4944, -12.4692, 2.5777

Details

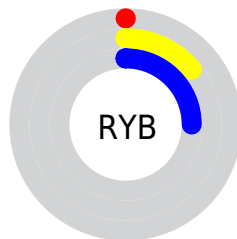
The CIELCh color **23, 22.331, 172.752** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 31.634, 18.184**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 22.368, 172.939**, and **4, 8.839, 148.863** is the 20% darker color. If you saturate the color by 10%, you get **23, 22.366, 172.727**, and if you desaturate by 10%, it is **23, 20.856, 173.873**.

Distribution



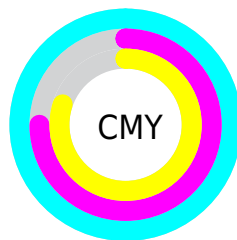
- Red (0%)
- Green (25%)
- Blue (20%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (75%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 22.331, 172.752 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, 22.331, 172.752 by changing the saturation by 10% instead.

 23, 22.331,
172.752


 23, 22.331,
172.752

 100, 22.331,
172.752


 13, 22.331,
172.752


 43, 22.331,
172.752


 3, 22.331, 172.752

 53, 22.331,
172.752

 0, 22.331, 172.752

 63, 22.331,
172.752

 73, 22.331,
172.752

 83, 22.331,
172.752

 93, 22.331,

172.752

■ 23, 22.331,
172.752

■ 23, 22.331,
172.752

■ 23, 22.366,
172.727

■ 23, 20.856,
173.873

■ 23, 19.401,
175.148

■ 24, 17.713,
176.359

■ 24, 15.749,
177.470

■ 24, 13.534,
178.497

■ 25, 11.101,
179.456

■ 25, 8.487, 180.360

■ 26, 5.730, 181.222

■ 26, 2.867, 182.071

Harmonies

Complementary

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



23, 22.331, 172.752



10, 31.634, 18.184

Rectangle

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



23, 22.331, 172.752



23, 22.331, 222.752



23, 22.331, 352.752



23, 22.331, 42.752

Sweetspot

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



23, 22.331, 172.751



33, 10.561, 180.226



23, 41.707, 133.739



15, 7.062, 180.096



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, 22.331, 172.751



30, 26.822, 171.909



17, 16.805, 246.072



11, 1.589, 182.193



35, 29.791, 171.513



79, 56.610, 169.943

Inverse Universe

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



10, 31.634, 18.184



14, 38.717, 23.023



13, 28.421, 42.487



10, 1.635, 3.341



18, 43.325, 24.830



47, 83.812, 29.672

Previews

White Background



This preview shows how the CIELCh color 23, 22.331, 172.752 looks on a white background.

Color Contrast Check

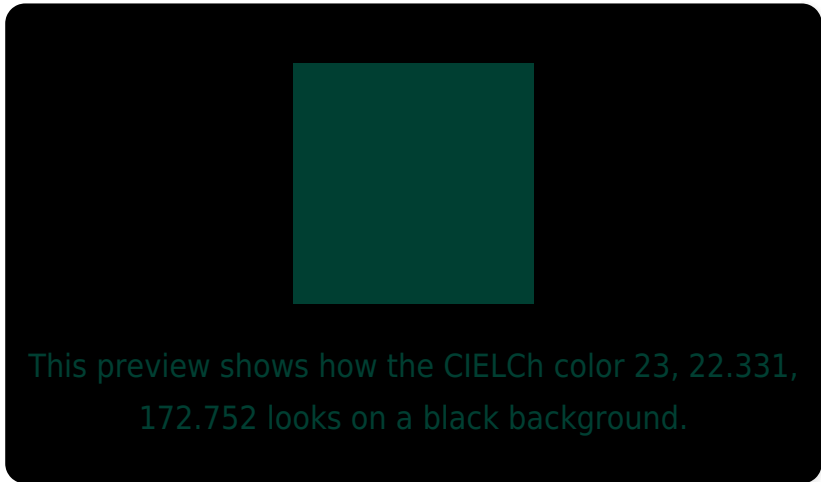
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

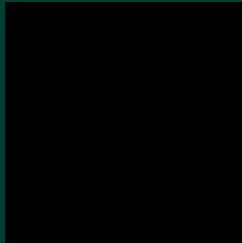
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.331, 172.752

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.331, 172.752.



This preview shows how white text looks on a background with the CIELCh color 23, 22.331, 172.752.

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, 22.331, 172.752

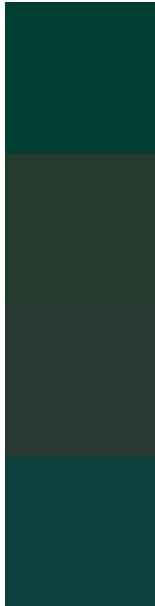
Protanopia
23, 6.143, 95.099

Deuteranopia
23, 4.327, 28.961



Tritanopia
23, 14.519, 210.539

Trichromacy



Original Color
23, 22.331, 172.752

Protanomaly
22, 12.009, 159.528

Deuteranomaly
22, 8.600, 169.937

Tritanomaly
23, 16.824, 191.983

Monochromacy



Original Color
23, 22.331, 172.752

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, 22.331, 172.752 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.331, 172.752 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, 50) }
```

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

```
.border{ border-color:rgb(0, 63, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 63, 50); box-shadow:4px  
4px 4px 4px rgb(0, 63, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.331, 172.752 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, 50) }
```

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

```
.background{ background-color: rgb(0, 63,  
50) }
```

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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