

Converting Colors

CIELCh(10, 17.172, 161.013)

Have a look what the booklet for
CIELCh(10, 17.172, 161.013)
contains.

CIELCh(10, 17.337, 160.068)	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(10, 17.337, 160.068)

Conversions

Conversions Part 1

Format	Color
Hex	002113
RGB	0, 33, 19
RGB Percent	0%, 13%, 7%
CMY	1.0000, 0.8711, 0.9261
CMYK	1.00, 0.00, 0.43, 0.87
HSL	154°, 100%, 6%
HSV	154°, 100%, 13%
XYZ	0.6544, 1.1260, 0.7922
YIQ	21.5370, -15.1740, -11.3500

Conversions

Conversions Part 2

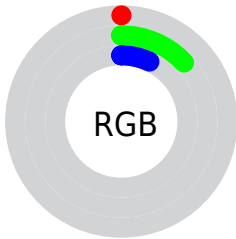
Format	Color
RYB	0, 21, 33
Decimal	8467
CIELab	10.00, -16.30, 5.91
CIELCh	10, 17.337, 160.068
Yxy	1.1260, 0.2544, 0.4377
Android (android.graphics.Color)	4278198547 (0xFF002113)
YUV	21.5370, -1.2507, -18.8879
Hunter-Lab	10.6114, -7.5627, 3.0017

Details

The CIELCh color **10, 17.337, 160.068** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 15.063, 356.567**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 17.022, 160.005**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 17.292, 159.965**, and if you desaturate by 10%, it is **10, 15.836, 160.382**.

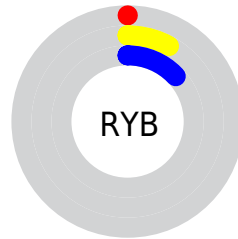
Distribution



Red (0%)

Green (13%)

Blue (7%)



Red (0%)

Yellow (8%)

Blue (13%)

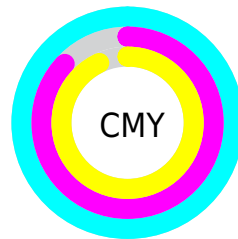


Cyan (100%)

Magenta (0%)

Yellow (43%)

Black (87%)



Cyan (100%)


Magenta (87%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 17.337, 160.068 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 10, 17.337, 160.068 by changing the saturation by 10% instead.


 10, 17.337,
160.068


 10, 17.337,
160.068


 100, 17.337,
160.068


 0, 17.337, 160.068


 30, 17.337,
160.068

 40, 17.337,
160.068


 50, 17.337,
160.068


 60, 17.337,
160.068

 70, 17.337,
160.068


 80, 17.337,


160.068


 90, 17.337,
160.068


 10, 17.337,
160.068


 10, 17.337,
160.068

 10, 17.292,
159.965

 10, 15.836,
160.382

 10, 14.332,
161.052

 11, 12.783,
162.042

 11, 11.144,
163.094

 11, 9.407, 164.045

■ 11, 7.600, 164.921

■ 12, 5.739, 165.732

■ 12, 3.842, 166.490

■ 12, 1.924, 167.219

Harmonies

Complementary

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



10, 17.337, 160.068



3, 15.063, 356.567

Rectangle

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



10, 17.337, 160.068



10, 17.337, 210.068



10, 17.337, 340.068



10, 17.337, 30.068

Sweetspot

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



10, 17.292, 159.965



16, 7.259, 165.548



10, 21.372, 134.683



7, 4.324, 165.334



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10, 17.292, 159.965



15, 21.748, 158.336



10, 11.470, 205.007



4, 0.642, 167.350



29, 33.723, 155.422



73, 70.422, 152.962

Inverse Universe

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



3, 15.063, 356.567



5, 22.905, 359.036



3, 13.213, 23.239



4, 0.636, 348.266



14, 36.151, 4.290



44, 72.130, 9.501

Previews

White Background



This preview shows how the CIELCh color 10, 17.337, 160.068 looks on a white background.

Color Contrast Check

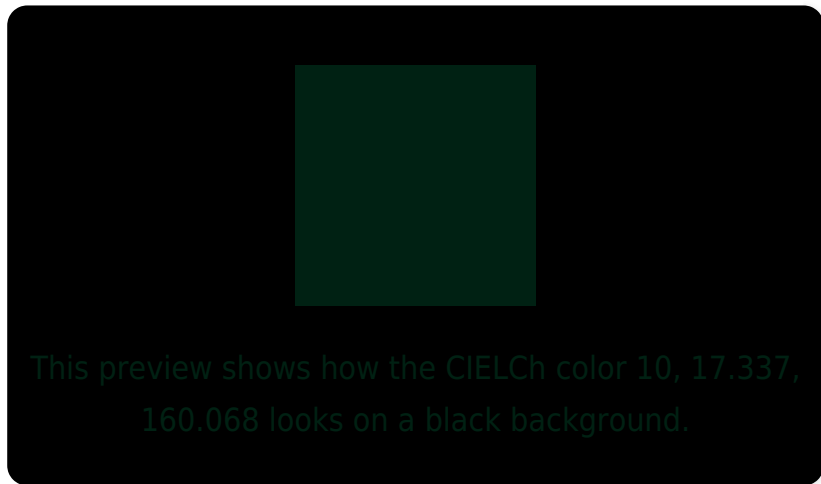
Large Text (above 18pt) WCAG AA ✓ Pass

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

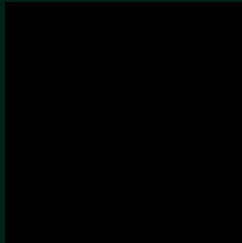
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 17.337, 160.068

Background



This preview shows how black text looks on a background with the CIELCh color 10, 17.337, 160.068.



This preview shows how white text looks on a background with the CIELCh color 10, 17.337, 160.068.

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
10, 17.337, 160.068

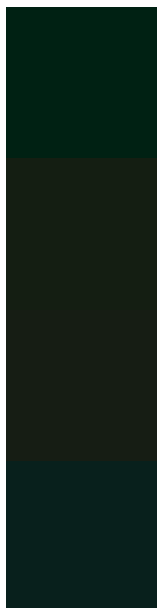
Protanopia
10, 7.780, 95.894

Deuteranopia
10, 6.393, 71.265



Tritanopia
10, 8.017, 213.689

Trichromacy



Original Color
10, 17.337, 160.068

Protanomaly
10, 10.053, 139.392

Deuteranomaly
10, 7.513, 137.618

Tritanomaly
10, 10.649, 180.531

Monochromacy



Original Color
10, 17.337, 160.068

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 6.378, 164.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 17.337, 160.068 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, 33, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 19)  
}
```

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, 33, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 17.337, 160.068 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, 33, 19) }
```

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

```
.border{ border-color:rgb(0, 33, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 33, 19); box-shadow:4px  
4px 4px 4px rgb(0, 33, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 17.337, 160.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 19) }
```

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

```
.background{ background-color: rgb(0, 33,  
19) }
```

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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