

Converting Colors

CIELCh(17, 20.462, 157.285)

Have a look what the booklet for
CIELCh(17, 20.462, 157.285)
contains.

CIELCh(17, 20.122, 157.379)	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(17, 20.122, 157.379)

Conversions

Conversions Part 1

Format	Color
Hex	0A301E
RGB	10, 48, 30
RGB Percent	4%, 19%, 12%
CMY	0.9593, 0.8105, 0.8812
CMYK	0.79, 0.00, 0.37, 0.81
HSL	151°, 65%, 12%
HSV	151°, 79%, 19%
XYZ	1.4381, 2.3023, 1.6167
YIQ	34.5860, -16.8700, -13.6540

Conversions

Conversions Part 2

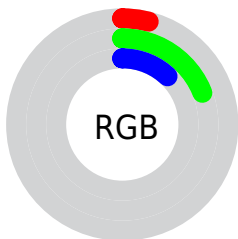
Format	Color
RYB	10, 35, 48
Decimal	667678
CIELab	17.00, -18.57, 7.74
CIELCh	17, 20.122, 157.379
Yxy	2.3023, 0.2684, 0.4298
Android (android.graphics.Color)	4278857758 (0xFF0A301E)
YUV	34.5860, -2.2609, -21.5619
Hunter-Lab	15.1734, -9.6355, 4.3042

Details

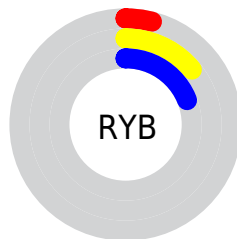
The CIELCh color **17, 20.122, 157.379** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 21.449, 353.323**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 20.355, 157.423**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.200, 156.111**, and if you desaturate by 10%, it is **17, 17.959, 158.711**.

Distribution



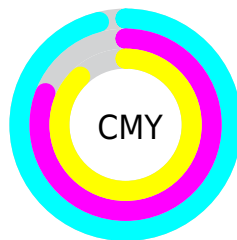
- Red (4%)
- Green (19%)
- Blue (12%)



- Red (4%)
- Yellow (14%)
- Blue (19%)



- Cyan (79%)
- Magenta (0%)
- Yellow (37%)
- Black (81%)





- Cyan (96%)
- Magenta (81%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 20.122, 157.379 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 17, 20.122, 157.379 by changing the saturation by 10% instead.

 17, 20.122,
157.379


 17, 20.122,
157.379


 100, 20.122,
157.379


 7, 20.122, 157.379


 37, 20.122,
157.379

 0, 20.122, 157.379

 47, 20.122,
157.379


 57, 20.122,
157.379


 67, 20.122,
157.379


 77, 20.122,
157.379


 87, 20.122,


157.379


 97, 20.122,
157.379


 17, 20.122,
157.379


 17, 20.122,
157.379


 17, 22.200,
156.111


 17, 17.959,
158.711

 17, 24.335,
155.139

 18, 15.619,
159.913

 17, 24.657,
155.017

 18, 13.134,
160.999

 18, 10.533,
161.982

 19, 7.850, 162.879

■ 19, 5.114, 163.703

■ 20, 2.353, 164.486

■ 20, 0.412, 344.736

■ 21, 3.161, 345.703

Harmonies

Complementary

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



17, 20.122, 157.379



9, 21.449, 353.323

Rectangle

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



17, 20.122, 157.379



17, 20.122, 207.379



17, 20.122, 337.379



17, 20.122, 27.379

Sweetspot

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



17, 20.122, 157.379



25, 8.351, 163.144



18, 25.916, 127.561



12, 5.797, 163.067



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 20.122, 157.379



23, 28.784, 154.362



17, 13.227, 198.739



7, 1.369, 164.463



32, 38.048, 152.370



76, 76.435, 150.184

Inverse Universe

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



9, 21.449, 353.323



11, 30.135, 357.448



8, 20.673, 23.707



7, 1.351, 345.573



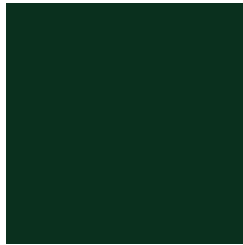
16, 38.716, 0.684



46, 74.055, 4.876

Previews

White Background



This preview shows how the CIELCh color 17, 20.122, 157.379 looks on a white background.

Color Contrast Check

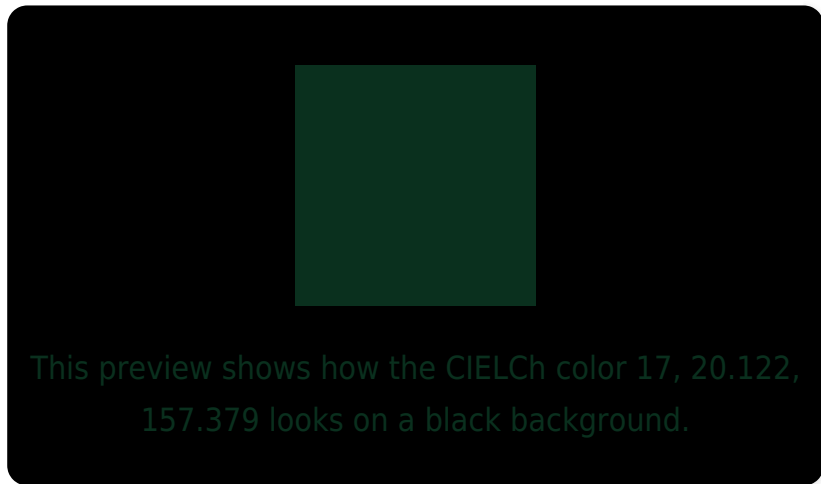
Large Text (above 18pt) WCAG AA ✓ Pass

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

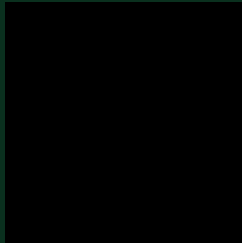
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 20.122, 157.379

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.122, 157.379.



This preview shows how white text looks on a background with the CIELCh color 17, 20.122, 157.379.

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

17, 20.122, 157.379

Protanopia

17, 9.874, 95.217

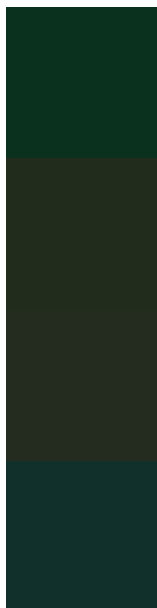
Deuteranopia

17, 7.691, 65.771



Tritanopia
17, 10.279, 213.355

Trichromacy



Original Color
17, 20.122, 157.379

Protanomaly
17, 11.740, 135.442

Deuteranomaly
17, 9.028, 130.931

Tritanomaly
17, 12.427, 183.845

Monochromacy



Original Color
17, 20.122, 157.379

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.345, 161.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.122, 157.379 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(10, 48, 30)` looks like.

```
.text, #text, p{  
    color:rgb(10, 48, 30)  
}
```

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(10, 48, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 48, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.122, 157.379 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(10, 48, 30) }
```

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

```
.border{ border-color:rgb(10, 48, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 48, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 48, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 48, 30);  
box-shadow:4px 4px 4px 4px rgb(10, 48, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.122, 157.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 48, 30) }
```

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

```
.background{ background-color: rgb(10, 48,  
30) }
```

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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