

Converting Colors

CIELCh(13, 56.551, 178.616)

Have a look what the booklet for
CIELCh(13, 56.551, 178.616)
contains.

CIELCh(17, 21.700, 162.265)	3
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Color

CIELCh(17, 21.700, 162.265)

Conversions

Conversions Part 1

Format	Color
Hex	013120
RGB	1, 49, 32
RGB Percent	0%, 19%, 13%
CMY	0.9967, 0.8080, 0.8750
CMYK	0.98, 0.00, 0.35, 0.81
HSL	159°, 97%, 10%
HSV	159°, 98%, 19%
XYZ	1.3663, 2.3023, 1.7307
YIQ	32.7100, -23.1510, -15.4630

Conversions

Conversions Part 2

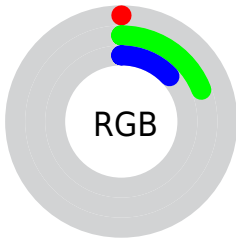
Format	Color
R_{YB}	1, 30, 49
Decimal	78112
CIE _{Lab}	17.00, -20.67, 6.61
CIE _{LCh}	17, 21.700, 162.265
Yxy	2.3023, 0.2530, 0.4264
Android (android.graphics.Color)	4278268192 (0xFF013120)
YUV	32.7100, -0.3500, -27.8097
Hunter-Lab	15.1734, -10.4808, 3.8587

Details

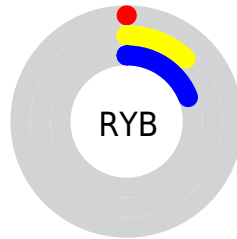
The CIELCh color **17, 21.700, 162.265** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 25.381, 4.639**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.812, 162.237**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.020, 162.114**, and if you desaturate by 10%, it is **17, 19.871, 163.275**.

Distribution



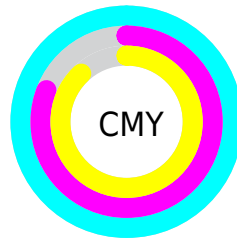
- Red (0%)
- Green (19%)
- Blue (13%)



- Red (0%)
- Yellow (12%)
- Blue (19%)



- Cyan (98%)
- Magenta (0%)
- Yellow (35%)
- Black (81%)





- Cyan (100%)
- Magenta (81%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 21.700, 162.265 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, 21.700, 162.265 by changing the saturation by 10% instead.

 17, 21.700,
162.265


 17, 21.700,
162.265


 100, 21.700,
162.265


 7, 21.700, 162.265

 37, 21.700,
162.265

 0, 21.700, 162.265

 47, 21.700,
162.265


 57, 21.700,
162.265


 67, 21.700,
162.265

 77, 21.700,
162.265


 87, 21.700,


162.265


 97, 21.700,
162.265


 17, 21.700,
162.265


 17, 21.700,
162.265


 17, 22.020,
162.114

 17, 19.871,
163.275

 17, 18.105,
164.546

 18, 16.241,
165.852

 18, 14.192,
167.039

 18, 11.983,
168.123

■ 19, 9.644, 169.118

■ 19, 7.204, 170.038

■ 19, 4.692, 170.899

■ 20, 2.135, 171.735

Harmonies

Complementary

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



17, 21.700, 162.265



6, 25.381, 4.639

Rectangle

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



17, 21.700, 162.265



17, 21.700, 212.265



17, 21.700, 342.265



17, 21.700, 32.265

Sweetspot

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



17, 21.700, 162.264



25, 9.199, 169.833



17, 31.986, 131.983



12, 6.373, 169.737



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, 21.700, 162.264



23, 26.602, 160.844



15, 13.704, 216.425



9, 1.473, 171.733



33, 34.090, 159.561



77, 67.175, 157.510

Inverse Universe

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



6, 25.381, 4.639



10, 31.301, 8.605



7, 23.276, 28.391



8, 1.498, 352.827



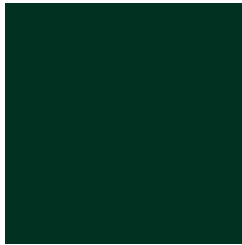
17, 39.427, 11.658



46, 76.039, 16.659

Previews

White Background



This preview shows how the CIELCh color 17, 21.700, 162.265 looks on a white background.

Color Contrast Check

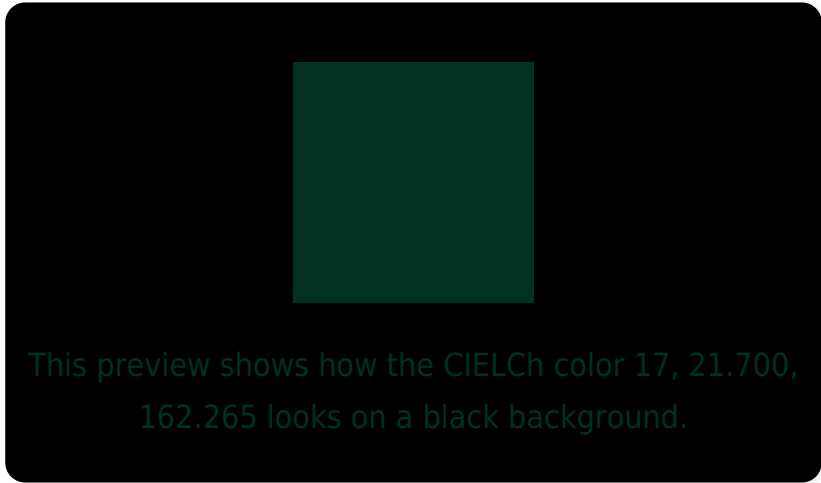
Large Text (above 18pt) WCAG AA ✓ Pass

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

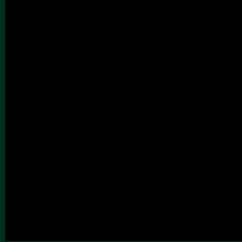
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 21.700, 162.265

Background



This preview shows how black text looks on a background with the CIELCh color 17, 21.700, 162.265.



This preview shows how white text looks on a background with the CIELCh color 17, 21.700, 162.265.

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](#).

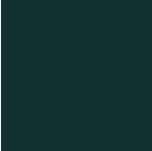
Dichromacy



Original Color
17, 21.636, 162.335

Protanopia
17, 9.736, 98.328

Deuteranopia
17, 6.757, 65.378



Tritanopia
17, 11.346, 207.937

Trichromacy



Original Color
17, 21.636, 162.335

Protanomaly
17, 12.733, 142.596

Deuteranomaly
17, 9.654, 145.297

Tritanomaly
17, 14.456, 182.507

Monochromacy



Original Color
17, 21.636, 162.335

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 9.356, 170.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 21.700, 162.265 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(1, 49, 32)` looks like.

```
.text, #text, p{  
    color:rgb(1, 49, 32)  
}
```

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(1, 49, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 49, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 21.700, 162.265 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(1, 49, 32) }
```

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

```
.border{ border-color:rgb(1, 49, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 49, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 49, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 49, 32); box-shadow:4px  
4px 4px 4px rgb(1, 49, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 21.700, 162.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 49, 32) }
```

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

```
.background{ background-color: rgb(1, 49,  
32) }
```

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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