

Converting Colors

CIELCh(17, 20.100, 167.901)

Have a look what the booklet for
CIELCh(17, 20.100, 167.901)
contains.

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Color

CIELCh(17, 20.467, 167.078)

Conversions

Conversions Part 1

Format	Color
Hex	003123
RGB	0, 49, 35
RGB Percent	0%, 19%, 14%
CMY	1.0000, 0.8085, 0.8633
CMYK	1.00, 0.00, 0.29, 0.81
HSL	163°, 100%, 10%
HSV	163°, 100%, 19%
XYZ	1.3907, 2.3023, 1.9492
YIQ	32.7530, -24.7100, -14.7420

Conversions

Conversions Part 2

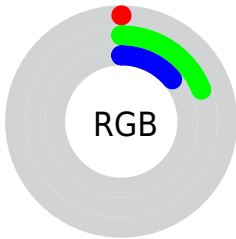
Format	Color
RYB	0, 29, 49
Decimal	12579
CIELab	17.00, -19.95, 4.58
CIELCh	17, 20.467, 167.078
Yxy	2.3023, 0.2465, 0.4081
Android (android.graphics.Color)	4278202659 (0xFF003123)
YUV	32.7530, 1.1078, -28.7244
Hunter-Lab	15.1734, -10.1935, 3.0048

Details

The CIELCh color **17, 20.467, 167.078** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 25.545, 8.536**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 20.632, 166.201**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 20.436, 167.037**, and if you desaturate by 10%, it is **17, 18.782, 167.982**.

Distribution



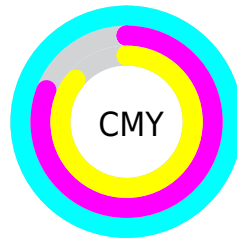
- Red (0%)
- Green (19%)
- Blue (14%)



- Red (0%)
- Yellow (11%)
- Blue (19%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (81%)



- Cyan (100%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 20.467, 167.078 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, 20.467, 167.078 by changing the saturation by 10% instead.

■ 17, 20.467,
167.078

■ 17, 20.467,
167.078

■ 100, 20.467,
167.078

■ 7, 20.467, 167.078

■ 37, 20.467,
167.078

■ 0, 20.467, 167.078

■ 47, 20.467,
167.078


■ 57, 20.467,
167.078


■ 67, 20.467,
167.078


■ 77, 20.467,
167.078


■ 87, 20.467,


167.078


 97, 20.467,
167.078


 17, 20.467,
167.078


 17, 20.467,
167.078


 17, 20.436,
167.037

 17, 18.782,
167.982

 17, 17.194,
169.152

 18, 15.549,
170.413

 18, 13.709,
171.565

 18, 11.696,
172.625

■ 18, 9.537, 173.605

■ 19, 7.260, 174.519

■ 19, 4.894, 175.381

■ 20, 2.466, 176.219

Harmonies

Complementary

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



17, 20.467, 167.078



6, 25.545, 8.536

Rectangle

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



17, 20.467, 167.078



17, 20.467, 217.078



17, 20.467, 347.078



17, 20.467, 37.078

Sweetspot

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



17, 20.436, 167.037



25, 9.062, 174.372



17, 32.941, 133.721



12, 6.242, 174.291



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, 20.436, 167.037



23, 24.643, 165.844



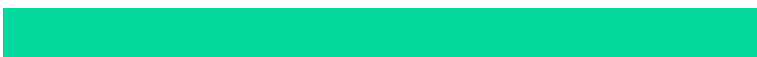
14, 13.608, 228.389



9, 1.414, 176.365



33, 31.467, 164.641



77, 61.657, 162.703

Inverse Universe

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



6, 25.545, 8.536



10, 31.519, 13.678



8, 22.539, 32.348



8, 1.445, 357.464



17, 40.131, 17.743



46, 78.391, 22.987

Previews

White Background



This preview shows how the CIELCh color 17, 20.467, 167.078 looks on a white background.

Color Contrast Check

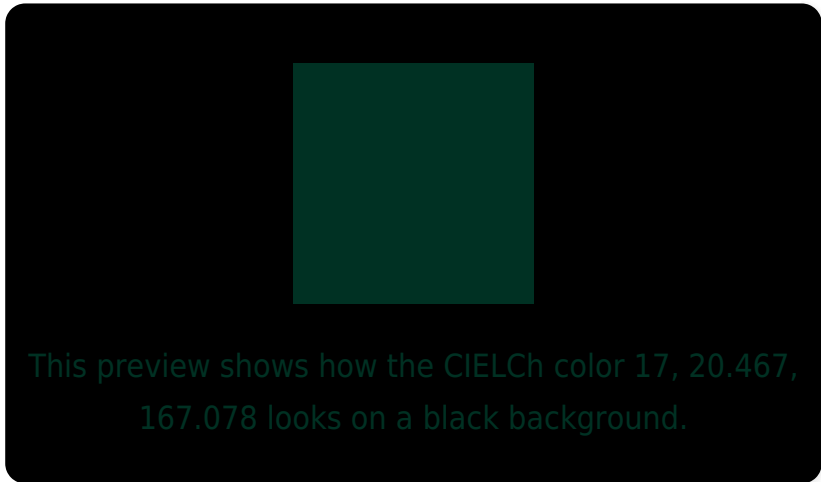
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.467, 167.078

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.467, 167.078.



This preview shows how white text looks on a background with the CIELCh color 17, 20.467, 167.078.

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](#).

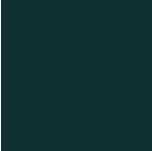
Dichromacy



Original Color
17, 20.467, 167.078

Protanopia
18, 7.724, 96.608

Deuteranopia
17, 4.921, 54.107



Tritanopia
17, 11.595, 211.260

Trichromacy



Original Color
17, 20.467, 167.078

Protanomaly
17, 11.362, 150.096

Deuteranomaly
17, 8.369, 155.958

Tritanomaly
17, 14.101, 188.021

Monochromacy



Original Color
17, 20.467, 167.078

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 8.975, 173.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.467, 167.078 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, 49, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 35)  
}
```

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, 49, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.467, 167.078 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, 49, 35) }
```

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

```
.border{ border-color:rgb(0, 49, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 49, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 35); box-shadow:4px  
4px 4px 4px rgb(0, 49, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.467, 167.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 35) }
```

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

```
.background{ background-color: rgb(0, 49,  
35) }
```

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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