

Converting Colors

CIELCh(17, 13.468, 193.406)

Have a look what the booklet for
CIELCh(17, 13.468, 193.406)
contains.

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Color

CIELCh(17, 13.402, 193.713)

Conversions

Conversions Part 1

Format	Color
Hex	0A2F2E
RGB	10, 47, 46
RGB Percent	4%, 18%, 18%
CMY	0.9604, 0.8154, 0.8193
CMYK	0.79, 0.00, 0.02, 0.82
HSL	178°, 65%, 11%
HSV	178°, 79%, 18%
XYZ	1.6407, 2.3023, 2.9507
YIQ	35.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

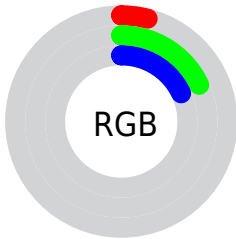
Format	Color
R_{YB}	10, 29, 47
Decimal	667438
CIE Lab	17.00, -13.02, -3.18
CIE LCh	17, 13.402, 193.713
Yxy	2.3023, 0.2380, 0.3340
Android (android.graphics.Color)	4278857518 (0xFF0A2F2E)
YUV	35.8230, 5.0173, -22.6468
Hunter-Lab	15.1734, -7.2522, -0.9083

Details

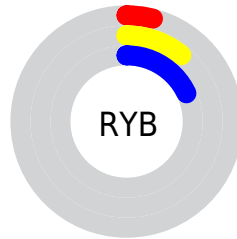
The CIELCh color **17, 13.402, 193.713** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 20.301, 21.172**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 13.282, 195.005**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.394, 193.366**, and if you desaturate by 10%, it is **17, 12.311, 194.079**.

Distribution



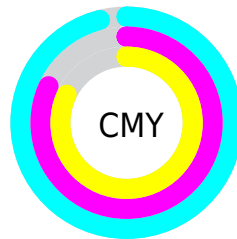
- Red (4%)
- Green (18%)
- Blue (18%)



- Red (4%)
- Yellow (11%)
- Blue (18%)



- Cyan (79%)
- Magenta (0%)
- Yellow (2%)
- Black (82%)



- Cyan (96%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 13.402, 193.713 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, 13.402, 193.713 by changing the saturation by 10% instead.

■ 17, 13.402,
193.713

■ 17, 13.402,
193.713

■ 100, 13.402,
193.713

■ 7, 13.402, 193.713

■ 37, 13.402,
193.713

■ 0, 13.402, 193.713

■ 47, 13.402,
193.713


■ 57, 13.402,
193.713


■ 67, 13.402,
193.713


■ 77, 13.402,
193.713

■ 87, 13.402,


193.713


 97, 13.402,
193.713

 17, 13.402,
193.713


 17, 13.402,
193.713

 17, 14.394,
193.366

 17, 12.311,
194.079

 17, 15.423,
193.043

 17, 11.003,
194.468

 17, 15.576,
192.998

 18, 9.492, 194.881

 18, 7.799, 195.318

 18, 5.947, 195.781

 19, 3.960, 196.274

■ 19, 1.863, 196.825

■ 20, 0.322, 16.601

■ 20, 2.574, 17.669

Harmonies

Complementary

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



17, 13.402, 193.713



8, 20.301, 21.172

Rectangle

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



17, 13.402, 193.713



17, 13.402, 243.713



17, 13.402, 13.713



17, 13.402, 63.713

Sweetspot

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



17, 13.402, 193.712



25, 6.287, 195.936



16, 28.707, 139.162



11, 4.211, 195.913



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 13.402, 193.712



23, 17.823, 193.010



10, 13.888, 265.691



7, 1.113, 197.169



33, 23.284, 192.608



78, 44.882, 192.274

Inverse Universe

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



8, 20.301, 21.172



10, 30.295, 25.639



12, 16.026, 61.475



7, 1.114, 17.147



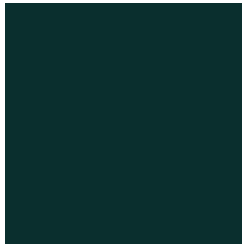
16, 43.355, 32.467



45, 90.541, 39.082

Previews

White Background



This preview shows how the CIELCh color 17, 13.402, 193.713 looks on a white background.

Color Contrast Check

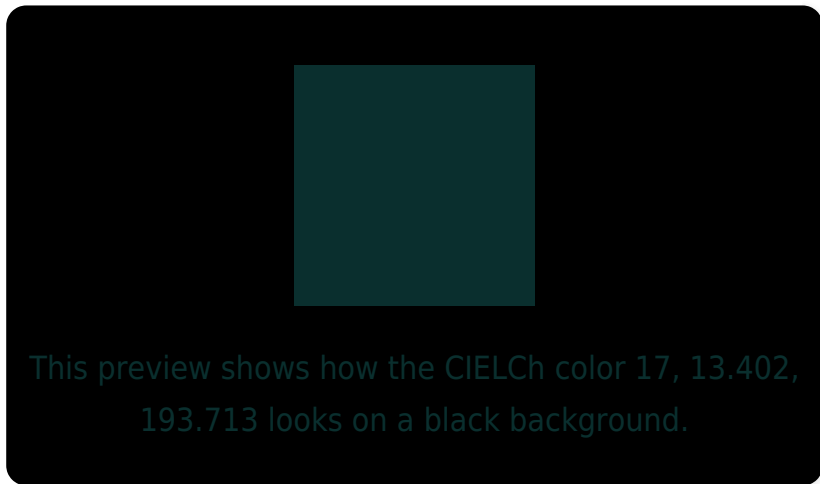
Large Text (above 18pt) WCAG AA ✓ Pass

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

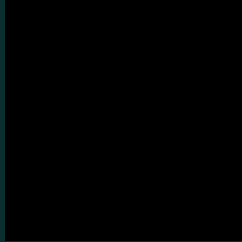
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 13.402, 193.713

Background



This preview shows how black text looks on a background with the CIELCh color 17, 13.402, 193.713.



This preview shows how white text looks on a background with the CIELCh color 17, 13.402, 193.713.

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, 13.402, 193.713

Protanopia

17, 0.849, 324.439

Deuteranopia

17, 4.421, 309.530



Tritanopia
17, 12.017, 210.707

Trichromacy



Original Color
17, 13.402, 193.713

Protanomaly
17, 5.773, 198.207

Deuteranomaly
17, 5.453, 229.500

Tritanomaly
17, 12.249, 206.987

Monochromacy



Original Color
17, 13.402, 193.713

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 5.820, 198.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 13.402, 193.713 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, 47, 46)` looks like.

```
.text, #text, p{  
    color:rgb(10, 47, 46)  
}
```

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, 47, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 47, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 13.402, 193.713 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, 47, 46) }
```

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

```
.border{ border-color:rgb(10, 47, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 47, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 47, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 47, 46);  
box-shadow:4px 4px 4px 4px rgb(10, 47, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 13.402, 193.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 47, 46) }
```

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

```
.background{ background-color: rgb(10, 47,  
46) }
```

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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