

Converting Colors

CIELCh(17, 12.804, 196.024)

Have a look what the booklet for
CIELCh(17, 12.804, 196.024)
contains.

CIELCh(17, 12.805, 196.858)	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, 12.805, 196.858)

Conversions

Conversions Part 1

Format	Color
Hex	0C2F2F
RGB	12, 47, 47
RGB Percent	5%, 18%, 18%
CMY	0.9536, 0.8163, 0.8163
CMYK	0.75, 0.00, 0.00, 0.82
HSL	180°, 60%, 12%
HSV	180°, 75%, 18%
XYZ	1.6700, 2.3023, 3.0304
YIQ	36.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

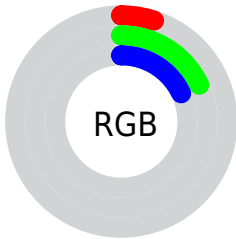
Format	Color
R_YB	12, 30, 47
Decimal	798511
CIE Lab	17.00, -12.25, -3.71
CIE LCh	17, 12.805, 196.858
Yxy	2.3023, 0.2385, 0.3288
Android (android.graphics.Color)	4278988591 (0xFF0C2F2F)
YUV	36.5350, 5.1592, -21.5172
Hunter-Lab	15.1734, -6.9073, -1.2199

Details

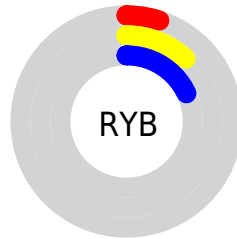
The CIELCh color **17, 12.805, 196.858** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 19.438, 22.631**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.858, 197.760**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.766, 196.673**, and if you desaturate by 10%, it is **17, 11.668, 197.076**.

Distribution



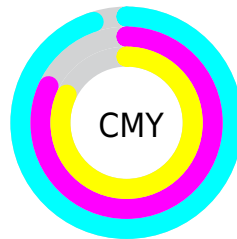
- Red (5%)
- Green (18%)
- Blue (18%)



- Red (5%)
- Yellow (12%)
- Blue (18%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)
- Black (82%)



- Cyan (95%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.805, 196.858 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, 12.805, 196.858 by changing the saturation by 10% instead.

■ 17, 12.805,
196.858

■ 17, 12.805,
196.858

■ 100, 12.805,
196.858

■ 7, 12.805, 196.858

■ 37, 12.805,
196.858

■ 0, 12.805, 196.858

■ 47, 12.805,
196.858


■ 57, 12.805,
196.858


■ 67, 12.805,
196.858

■ 77, 12.805,
196.858


■ 87, 12.805,


196.858


 97, 12.805,
196.858


 17, 12.805,
196.858


 17, 12.805,
196.858

 17, 13.766,
196.673

 17, 11.668,
197.076

 17, 14.741,
196.489

 17, 10.318,
197.340

 17, 15.265,
196.390

 18, 8.769, 197.647

 18, 7.044, 197.995

 18, 5.164, 198.384

 19, 3.154, 198.818

■ 19, 1.038, 199.386

■ 20, 1.163, 19.478

■ 20, 3.428, 20.072

Harmonies

Complementary

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



17, 12.805, 196.858



8, 19.438, 22.631

Rectangle

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



17, 12.805, 196.858



17, 12.805, 246.858



17, 12.805, 16.858



17, 12.805, 66.858

Sweetspot

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



17, 12.805, 196.856



25, 5.768, 198.446



16, 27.824, 139.775



11, 3.784, 198.449



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, 12.805, 196.856



23, 17.153, 196.537



10, 13.850, 268.438



7, 1.112, 199.526



33, 22.836, 196.391



78, 43.935, 196.391

Inverse Universe

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



10, 27.794, 327.494



12, 38.751, 327.990



13, 15.484, 66.049



7, 1.977, 324.413



19, 52.662, 328.234



51, 101.317, 328.234

Previews

White Background



This preview shows how the CIELCh color 17, 12.805, 196.858 looks on a white background.

Color Contrast Check

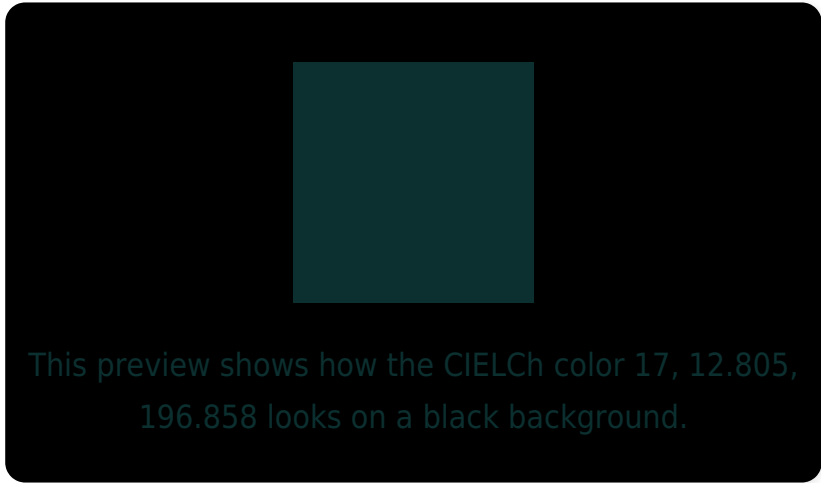
Large Text (above 18pt) WCAG AA ✓ Pass

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

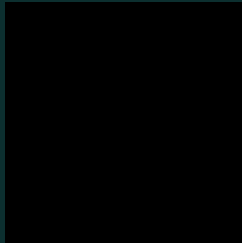
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

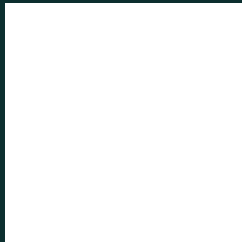
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 12.805, 196.858

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.805, 196.858.



This preview shows how white text looks on a background with the CIELCh color 17, 12.805, 196.858.

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, 12.805, 196.858

Protanopia

17, 1.392, 290.554

Deuteranopia

17, 4.977, 302.007



Tritanopia
17, 11.795, 211.006

Trichromacy



Original Color
17, 12.805, 196.858

Protanomaly
17, 5.743, 205.254

Deuteranomaly
17, 5.781, 235.914

Tritanomaly
17, 12.031, 207.208

Monochromacy



Original Color
17, 12.805, 196.858

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, 12.805, 196.858 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(12, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(12, 47, 47)  
}
```

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(12, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 47, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.805, 196.858 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(12, 47, 47) }
```

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

```
.border{ border-color:rgb(12, 47, 47) }
```

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

Here you see how a box with a 4 pixel rgb(12, 47, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(12, 47, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.805, 196.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 47, 47) }
```

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

```
.background{ background-color: rgb(12, 47,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor