

Converting Colors

CIELCh(17, 12.023, 198.422)

Have a look what the booklet for
CIELCh(17, 12.023, 198.422)
contains.

CIELCh(17, 12.099, 196.993)	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, 12.099, 196.993)

Conversions

Conversions Part 1

Format	Color
Hex	0F2F2F
RGB	15, 47, 47
RGB Percent	6%, 18%, 18%
CMY	0.9429, 0.8172, 0.8172
CMYK	0.69, 0.00, 0.00, 0.82
HSL	180°, 52%, 12%
HSV	180°, 69%, 18%
XYZ	1.6965, 2.3023, 3.0039
YIQ	37.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

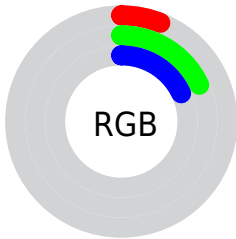
Format	Color
RYB	15, 31, 47
Decimal	995119
CIELab	17.00, -11.57, -3.54
CIELCh	17, 12.099, 196.993
Yxy	2.3023, 0.2423, 0.3288
Android (android.graphics.Color)	4279185199 (0xFF0F2F2F)
YUV	37.4320, 4.7170, -19.6729
Hunter-Lab	15.1734, -6.5955, -1.1162

Details

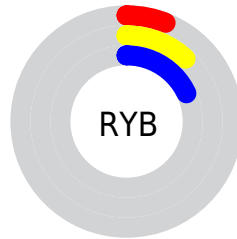
The CIELCh color **17, 12.099, 196.993** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 17.899, 23.264**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.202, 197.845**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.144, 196.790**, and if you desaturate by 10%, it is **17, 10.836, 197.237**.

Distribution



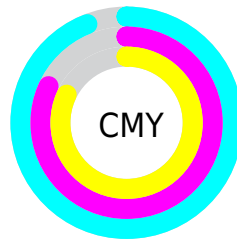
- Red (6%)
- Green (18%)
- Blue (18%)



- Red (6%)
- Yellow (12%)
- Blue (18%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (82%)




- Cyan (94%)
- Magenta (82%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.099, 196.993 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, 12.099, 196.993 by changing the saturation by 10% instead.

 17, 12.099,
196.993


 17, 12.099,
196.993


 100, 12.099,
196.993


 7, 12.099, 196.993

 37, 12.099,
196.993

 0, 12.099, 196.993

 47, 12.099,
196.993


 57, 12.099,
196.993


 67, 12.099,
196.993


 77, 12.099,
196.993


 87, 12.099,


196.993

 97, 12.099,
196.993

 17, 12.099,
196.993


 17, 12.099,
196.993

 17, 13.144,
196.790

 17, 10.836,
197.237


 17, 14.101,
196.608

 17, 9.370, 197.527

 17, 15.090,
196.422

 18, 7.718, 197.858

 18, 5.905, 198.231

 17, 15.216,
196.398

 18, 3.952, 198.645

 19, 1.884, 199.127

■ 19, 0.276, 18.742

■ 20, 2.508, 19.862

■ 20, 4.793, 20.388

Harmonies

Complementary

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



17, 12.099, 196.993



9, 17.899, 23.264

Rectangle

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



17, 12.099, 196.993



17, 12.099, 246.993



17, 12.099, 16.993



17, 12.099, 66.993

Sweetspot

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



17, 12.099, 196.991



25, 5.520, 198.495



16, 25.986, 139.955



11, 3.647, 198.492



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, 12.099, 196.991



23, 16.424, 196.661



11, 12.736, 266.808



7, 1.112, 199.532



33, 22.835, 196.399



78, 43.931, 196.400

Inverse Universe

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



10, 25.883, 327.307



13, 36.543, 327.806



13, 14.457, 67.463



7, 1.977, 324.414



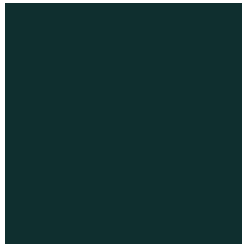
19, 52.660, 328.236



51, 101.312, 328.236

Previews

White Background



This preview shows how the CIELCh color 17, 12.099, 196.993 looks on a white background.

Color Contrast Check

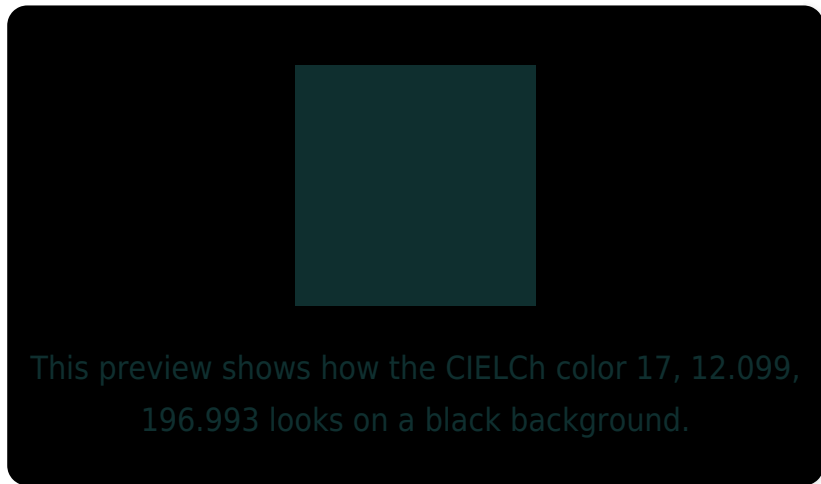
Large Text (above 18pt) WCAG AA ✓ Pass

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

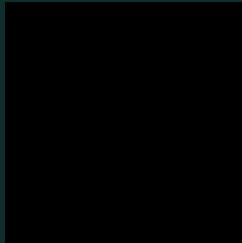
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

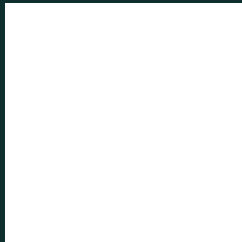
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 12.099, 196.993

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.099, 196.993.



This preview shows how white text looks on a background with the CIELCh color 17, 12.099, 196.993.

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, 12.099, 196.993

Protanopia

17, 1.392, 290.554

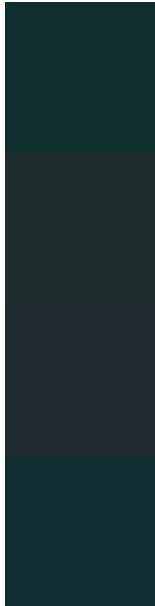
Deuteranopia

17, 4.977, 302.007



Tritanopia
17, 11.325, 211.674

Trichromacy



Original Color
17, 12.099, 196.993

Protanomaly
17, 5.340, 205.865

Deuteranomaly
17, 5.109, 231.892

Tritanomaly
17, 11.567, 207.702

Monochromacy



Original Color
17, 12.099, 196.993

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.992, 198.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.099, 196.993 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(15, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 47, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.099, 196.993 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(15, 47, 47) }
```

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

```
.border{ border-color:rgb(15, 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(15, 47, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(15, 47, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.099, 196.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 47, 47) }
```

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

```
.background{ background-color: rgb(15, 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](#).

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