

Converting Colors

CIELCh(17, 14.097, 232.618)

Have a look what the booklet for
CIELCh(17, 14.097, 232.618)
contains.

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Color

CIELCh(17, 14.163, 234.033)

Conversions

Conversions Part 1

Format	Color
Hex	072E3A
RGB	7, 46, 58
RGB Percent	3%, 18%, 23%
CMY	0.9726, 0.8197, 0.7726
CMYK	0.88, 0.21, 0.00, 0.77
HSL	194°, 79%, 13%
HSV	194°, 88%, 23%
XYZ	1.8264, 2.3023, 4.3478
YIQ	35.7070, -27.0960, -4.5360

Conversions

Conversions Part 2

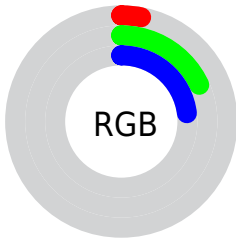
Format	Color
RYB	7, 29, 58
Decimal	470586
CIELab	17.00, -8.32, -11.46
CIELCh	17, 14.163, 234.033
Yxy	2.3023, 0.2155, 0.2716
Android (android.graphics.Color)	4278660666 (0xFF072E3A)
YUV	35.7070, 10.9904, -25.1760
Hunter-Lab	15.1734, -5.0678, -6.3674

Details

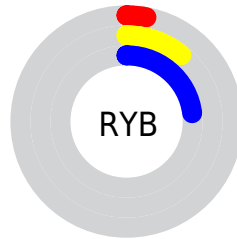
The CIELCh color **17, 14.163, 234.033** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 23.928, 39.500**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 14.145, 233.042**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **16, 15.131, 236.035**, and if you desaturate by 10%, it is **18, 13.230, 231.743**.

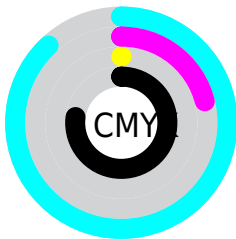
Distribution



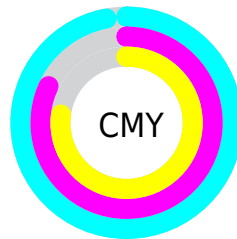
- Red (3%)
- Green (18%)
- Blue (23%)



- Red (3%)
- Yellow (11%)
- Blue (23%)



- Cyan (88%)
- Magenta (21%)
- Yellow (0%)
- Black (77%)





- Cyan (97%)
- Magenta (82%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 14.163, 234.033 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, 14.163, 234.033 by changing the saturation by 10% instead.

 17, 14.163,
234.033


 17, 14.163,
234.033


 100, 14.163,
234.033


 7, 14.163, 234.033


 37, 14.163,
234.033

 0, 14.163, 234.033

 47, 14.163,
234.033


 57, 14.163,
234.033


 67, 14.163,
234.033


 77, 14.163,
234.033


 87, 14.163,


234.033


 97, 14.163,
234.033


 17, 14.163,
234.033


 17, 14.163,
234.033

 16, 15.131,
236.035

 18, 13.230,
231.743

 16, 15.336,
236.397

 18, 12.125,
229.769

 19, 10.813,
228.169

 20, 9.304, 226.888

 21, 7.619, 225.873

 22, 5.778, 225.079

■ 23, 3.806, 224.474

■ 24, 1.725, 224.064

■ 25, 0.446, 43.071

Harmonies

Complementary

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



17, 14.163, 234.033



12, 23.928, 39.500

Rectangle

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



17, 14.163, 234.033



17, 14.163, 284.033



17, 14.163, 54.033



17, 14.163, 104.033

Sweetspot

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



17, 14.163, 234.033



29, 6.783, 225.032



20, 32.584, 143.424



13, 4.502, 225.093



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



17, 14.163, 234.033



22, 18.532, 238.587



8, 28.011, 292.206



10, 1.165, 224.072



27, 21.083, 239.810



64, 40.315, 243.717

Inverse Universe

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



11, 31.286, 337.547



15, 40.982, 339.015



19, 24.387, 86.021



9, 2.152, 332.205



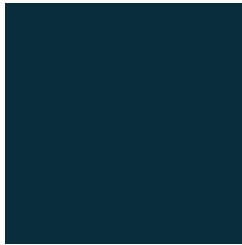
19, 46.244, 339.372



49, 85.906, 340.555

Previews

White Background



This preview shows how the CIELCh color 17, 14.163, 234.033 looks on a white background.

Color Contrast Check

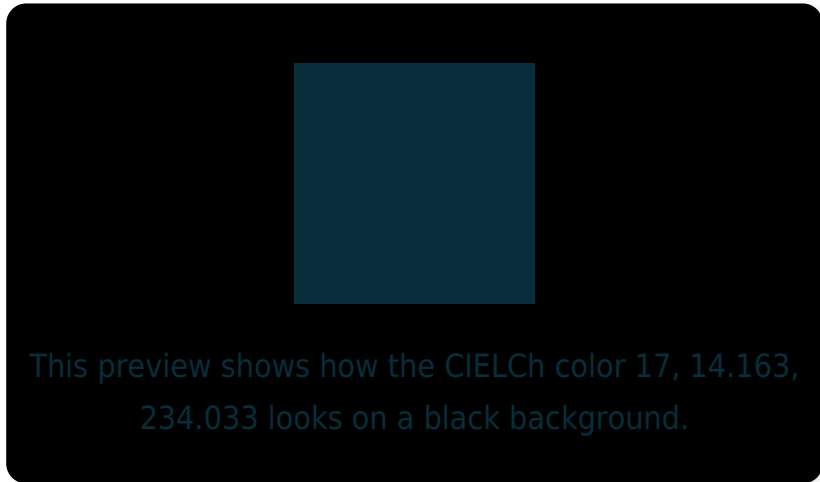
Large Text (above 18pt) WCAG AA ✓ Pass

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

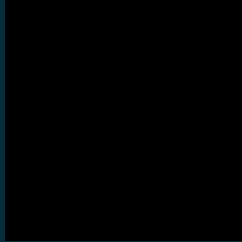
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

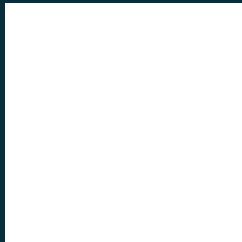
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 14.163, 234.033

Background



This preview shows how black text looks on a background with the CIELCh color 17, 14.163, 234.033.



This preview shows how white text looks on a background with the CIELCh color 17, 14.163, 234.033.

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, 14.163, 234.033

Protanopia

17, 9.083, 284.459

Deuteranopia

17, 11.905, 283.432



Tritanopia
17, 14.784, 207.635

Trichromacy



Original Color
17, 14.163, 234.033

Protanomaly
17, 10.693, 257.251

Deuteranomaly
17, 12.498, 262.690

Tritanomaly
17, 14.206, 217.235

Monochromacy



Original Color
17, 14.163, 234.033

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 6.855, 222.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 14.163, 234.033 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(7, 46, 58)` looks like.

```
.text, #text, p{  
    color:rgb(7, 46, 58)  
}
```

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(7, 46, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 46, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 14.163, 234.033 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(7, 46, 58) }
```

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

```
.border{ border-color:rgb(7, 46, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 46, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 46, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 46, 58); box-shadow:4px  
4px 4px 4px rgb(7, 46, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 14.163, 234.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 46, 58) }
```

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

```
.background{ background-color: rgb(7, 46,  
58) }
```

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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