

Converting Colors

CIELCh(12, 30.253, 211.374)

Have a look what the booklet for
CIELCh(12, 30.253, 211.374)
contains.

CIELCh(15, 14.407, 233.956)	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(15, 14.407, 233.956)

Conversions

Conversions Part 1

Format	Color
Hex	012A36
RGB	1, 42, 54
RGB Percent	0%, 16%, 21%
CMY	0.9970, 0.8362, 0.7890
CMYK	0.99, 0.22, 0.00, 0.79
HSL	194°, 97%, 11%
HSV	194°, 99%, 21%
XYZ	1.4902, 1.9086, 3.7546
YIQ	31.1090, -28.2880, -4.9600

Conversions

Conversions Part 2

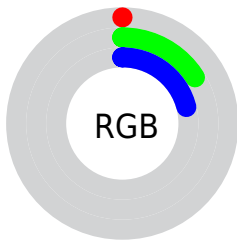
Format	Color
R_{YB}	1, 24, 54
Decimal	76342
CIE Lab	15.00, -8.48, -11.65
CIE LCh	15, 14.407, 233.956
Yxy	1.9086, 0.2083, 0.2668
Android (android.graphics.Color)	4278266422 (0xFF012A36)
YUV	31.1090, 11.2853, -26.4056
Hunter-Lab	13.8151, -4.9218, -6.4427

Details

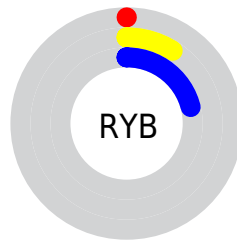
The CIELCh color **15, 14.407, 233.956** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 24.378, 36.168**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 14.445, 235.683**, and **0, 3.226, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 14.549, 234.171**, and if you desaturate by 10%, it is **16, 13.450, 232.251**.

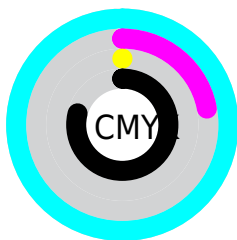
Distribution



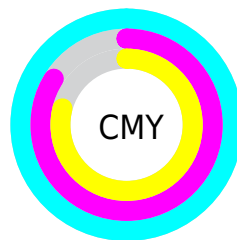
- Red (0%)
- Green (16%)
- Blue (21%)



- Red (0%)
- Yellow (9%)
- Blue (21%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (79%)



- Cyan (100%)
- Magenta (84%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 14.407, 233.956 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 15, 14.407, 233.956 by changing the saturation by 10% instead.

■ 15, 14.407,
233.956

■ 15, 14.407,
233.956

■ 100, 14.407,
233.956

■ 5, 14.407, 233.956

■ 35, 14.407,
233.956

■ 0, 14.407, 233.956

■ 45, 14.407,
233.956


■ 55, 14.407,
233.956


■ 65, 14.407,
233.956


■ 75, 14.407,
233.956


■ 85, 14.407,


233.956


 95, 14.407,
233.956


 15, 14.407,
233.956


 15, 14.407,
233.956

 15, 14.549,
234.171

 16, 13.450,
232.251

 16, 12.547,
230.208

 17, 11.512,
228.360

 18, 10.280,
226.864

 18, 8.865, 225.667

■ 19, 7.283, 224.720

■ 20, 5.555, 223.983

■ 21, 3.702, 223.423

■ 22, 1.746, 223.045

Harmonies

Complementary

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



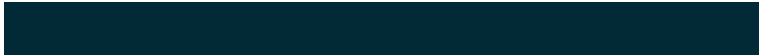
15, 14.407, 233.956



10, 24.378, 36.168

Rectangle

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



15, 14.407, 233.956



15, 14.407, 283.956



15, 14.407, 53.956



15, 14.407, 103.956

Sweetspot

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



15, 14.407, 233.956



26, 7.115, 224.174



19, 33.935, 142.448



12, 4.887, 224.256



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



15, 14.407, 233.956



20, 17.153, 236.173



6, 28.311, 291.241



10, 1.169, 223.041



27, 20.968, 238.119



65, 40.002, 241.919

Inverse Universe

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



9, 32.612, 337.687



13, 38.501, 338.326



17, 23.998, 83.429



9, 2.165, 331.895



19, 46.509, 338.880



49, 86.429, 340.002

Previews

White Background



This preview shows how the CIELCh color 15, 14.407, 233.956 looks on a white background.

Color Contrast Check

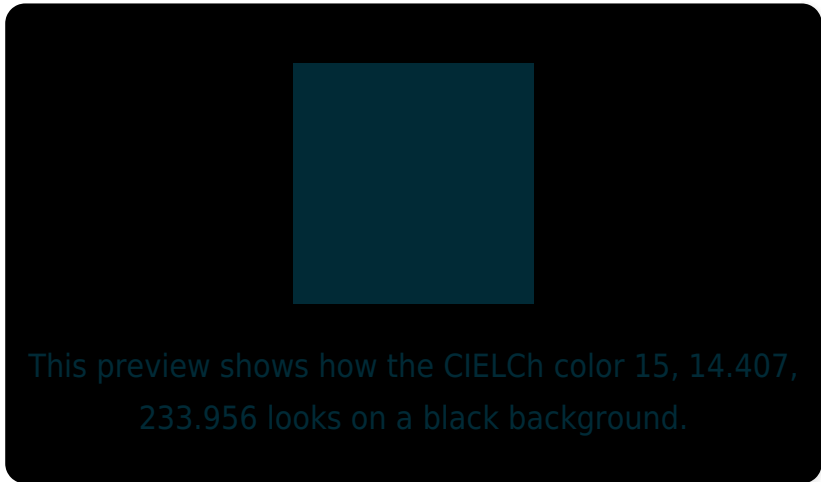
Large Text (above 18pt) WCAG AA ✓ Pass

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

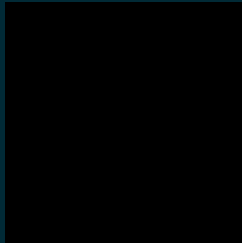
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

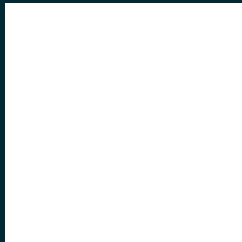
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 14.407, 233.956

Background



This preview shows how black text looks on a background with the CIELCh color 15, 14.407, 233.956.



This preview shows how white text looks on a background with the CIELCh color 15, 14.407, 233.956.

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


15, 14.399, 233.839

Protanopia

15, 9.214, 284.707

Deuteranopia

15, 12.129, 281.991



Tritanopia
15, 14.060, 205.360

Trichromacy



Original Color
15, 14.399, 233.839

Protanomaly
15, 10.774, 257.942

Deuteranomaly
15, 12.734, 262.250

Tritanomaly
15, 13.953, 214.682

Monochromacy



Original Color
15, 14.399, 233.839

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 6.886, 223.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 14.407, 233.956 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(1, 42, 54)` looks like.

```
.text, #text, p{  
    color:rgb(1, 42, 54)  
}
```

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(1, 42, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 42, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 14.407, 233.956 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(1, 42, 54) }
```

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

```
.border{ border-color:rgb(1, 42, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 42, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 42, 54); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 42, 54); box-shadow:4px  
4px 4px 4px rgb(1, 42, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 14.407, 233.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 42, 54) }
```

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

```
.background{ background-color: rgb(1, 42,  
54) }
```

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