

Converting Colors

CIELCh(12, 36.694, 209.688)

Have a look what the booklet for
CIELCh(12, 36.694, 209.688)
contains.

CIELCh(15, 15.103, 238.847)	3
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Color

CIELCh(15, 15.103, 238.847)

Conversions

Conversions Part 1

Format	Color
Hex	002A38
RGB	0, 42, 56
RGB Percent	0%, 16%, 22%
CMY	1.0000, 0.8368, 0.7819
CMYK	1.00, 0.25, 0.00, 0.78
HSL	195°, 100%, 11%
HSV	195°, 100%, 22%
XYZ	1.5141, 1.9086, 3.9797
YIQ	31.0380, -29.5260, -4.5500

Conversions

Conversions Part 2

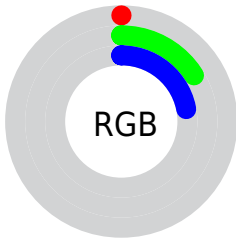
Format	Color
RYB	0, 24, 56
Decimal	10808
CIELab	15.00, -7.81, -12.92
CIELCh	15, 15.103, 238.847
Yxy	1.9086, 0.2045, 0.2578
Android (android.graphics.Color)	4278200888 (0xFF002A38)
YUV	31.0380, 12.3063, -27.2203
Hunter-Lab	13.8151, -4.6137, -7.4089

Details

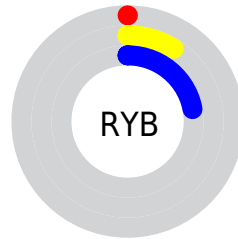
The CIELCh color **15, 15.103, 238.847** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 25.228, 38.317**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 15.070, 240.067**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 15.045, 239.049**, and if you desaturate by 10%, it is **16, 14.021, 237.122**.

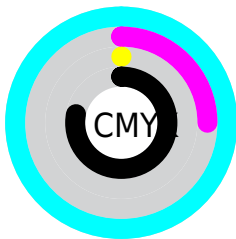
Distribution



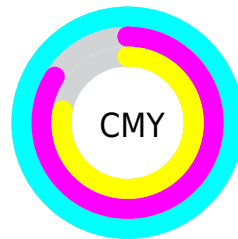
- Red (0%)
- Green (16%)
- Blue (22%)



- Red (0%)
- Yellow (9%)
- Blue (22%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (78%)



- Cyan (100%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 15.103, 238.847 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, 15.103, 238.847 by changing the saturation by 10% instead.

■ 15, 15.103,
238.847

■ 15, 15.103,
238.847

■ 100, 15.103,
238.847

■ 5, 15.103, 238.847

■ 35, 15.103,
238.847

■ 0, 15.103, 238.847

■ 45, 15.103,
238.847


■ 55, 15.103,
238.847


■ 65, 15.103,
238.847


■ 75, 15.103,
238.847


■ 85, 15.103,


238.847


 95, 15.103,
238.847

 15, 15.103,
238.847


 15, 15.103,
238.847

 15, 15.045,
239.049

 16, 14.021,
237.122

 16, 13.061,
234.800

 17, 11.992,
232.636

 18, 10.733,
230.868

 19, 9.292, 229.436

■ 20, 7.685, 228.287

■ 21, 5.932, 227.375

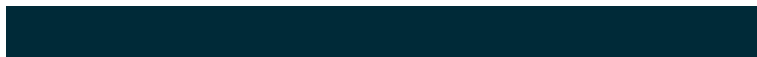
■ 21, 4.054, 226.662

■ 22, 2.070, 226.139

Harmonies

Complementary

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



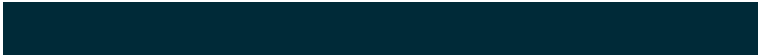
15, 15.103, 238.847



10, 25.228, 38.317

Rectangle

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



15, 15.103, 238.847



15, 15.103, 288.847



15, 15.103, 58.847



15, 15.103, 108.847

Sweetspot

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



15, 15.045, 239.049



27, 7.285, 227.490



19, 34.471, 143.031



12, 4.857, 227.572



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, 15.045, 239.049



20, 17.855, 241.214



5, 30.796, 293.193



10, 1.159, 226.078



27, 21.352, 243.036



63, 41.024, 247.126

Inverse Universe

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



9, 33.170, 339.149



13, 38.779, 339.789



18, 25.699, 86.163



9, 2.127, 332.812



19, 45.743, 340.344



49, 84.923, 341.647

Previews

White Background



This preview shows how the CIELCh color 15, 15.103, 238.847 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



This preview shows how the CIELCh color 15, 15.103, 238.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

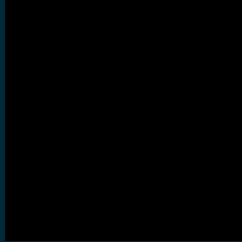
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

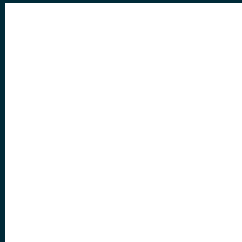
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 15.103, 238.847

Background



This preview shows how black text looks on a background with the CIELCh color 15, 15.103, 238.847.



This preview shows how white text looks on a background with the CIELCh color 15, 15.103, 238.847.

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, 15.103, 238.847

Protanopia

15, 10.645, 284.079

Deuteranopia

15, 12.872, 281.251



Tritanopia
15, 14.060, 205.360

Trichromacy



Original Color
15, 15.103, 238.847

Protanomaly
15, 12.032, 261.348

Deuteranomaly
15, 13.431, 263.134

Tritanomaly
15, 13.801, 218.184

Monochromacy



Original Color
15, 15.103, 238.847

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 7.123, 228.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 15.103, 238.847 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(0, 42, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 56)  
}
```

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(0, 42, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 15.103, 238.847 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(0, 42, 56) }
```

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

```
.border{ border-color:rgb(0, 42, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 56); box-shadow:4px  
4px 4px 4px rgb(0, 42, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 15.103, 238.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 56) }
```

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

```
.background{ background-color: rgb(0, 42,  
56) }
```

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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