

Converting Colors

CIELCh(18, 15.429, 219.188)

Have a look what the booklet for
CIELCh(18, 15.429, 219.188)
contains.

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Color

CIELCh(18, 15.252, 221.327)

Conversions

Conversions Part 1

Format	Color
Hex	00313A
RGB	0, 49, 58
RGB Percent	0%, 19%, 23%
CMY	0.9993, 0.8072, 0.7719
CMYK	1.00, 0.15, 0.00, 0.77
HSL	189°, 99%, 11%
HSV	189°, 100%, 23%
XYZ	1.8749, 2.5180, 4.4116
YIQ	35.3750, -32.0930, -7.5890

Conversions

Conversions Part 2

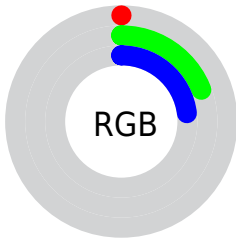
Format	Color
RYB	0, 27, 58
Decimal	12602
CIELab	18.00, -11.45, -10.07
CIELCh	18, 15.252, 221.327
Yxy	2.5180, 0.2129, 0.2860
Android (android.graphics.Color)	4278202682 (0xFF00313A)
YUV	35.3750, 11.1541, -31.0239
Hunter-Lab	15.8683, -6.6792, -5.3756

Details

The CIELCh color **18, 15.252, 221.327** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 27.817, 33.184**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.275, 221.796**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.278, 221.360**, and if you desaturate by 10%, it is **19, 14.407, 220.117**.

Distribution



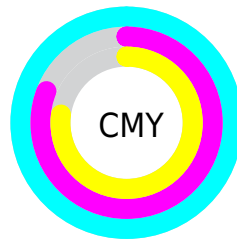
- Red (0%)
- Green (19%)
- Blue (23%)



- Red (0%)
- Yellow (11%)
- Blue (23%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (77%)





- Cyan (100%)
- Magenta (81%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.252, 221.327 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 18, 15.252, 221.327 by changing the saturation by 10% instead.

 18, 15.252,
221.327


 18, 15.252,
221.327


 100, 15.252,
221.327


 8, 15.252, 221.327


 38, 15.252,
221.327

 0, 15.252, 221.327

 48, 15.252,
221.327


 58, 15.252,
221.327


 68, 15.252,
221.327


 78, 15.252,
221.327


 88, 15.252,


221.327


 98, 15.252,
221.327


 18, 15.252,
221.327


 18, 15.252,
221.327

 18, 15.278,
221.360

 19, 14.407,
220.117

 19, 13.599,
218.714

 20, 12.609,
217.490

 20, 11.372,
216.536

 21, 9.902, 215.812

■ 21, 8.222, 215.279

■ 22, 6.359, 214.909

■ 23, 4.338, 214.676

■ 24, 2.187, 214.585

Harmonies

Complementary

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



18, 15.252, 221.327



10, 27.817, 33.184

Rectangle

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



18, 15.252, 221.327



18, 15.252, 271.327



18, 15.252, 41.327



18, 15.252, 91.327

Sweetspot

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



18, 15.252, 221.327



30, 8.032, 214.964



20, 37.727, 140.350



13, 5.357, 215.005



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 15.252, 221.327



25, 18.273, 222.763



7, 28.389, 289.536



10, 1.216, 214.590



30, 20.684, 223.565



69, 38.861, 226.178

Inverse Universe

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



10, 36.219, 334.417



15, 43.295, 334.784



17, 25.277, 76.852



9, 2.278, 329.404



19, 48.915, 334.986



50, 91.222, 335.651

Previews

White Background



This preview shows how the CIELCh color 18, 15.252, 221.327 looks on a white background.

Color Contrast Check

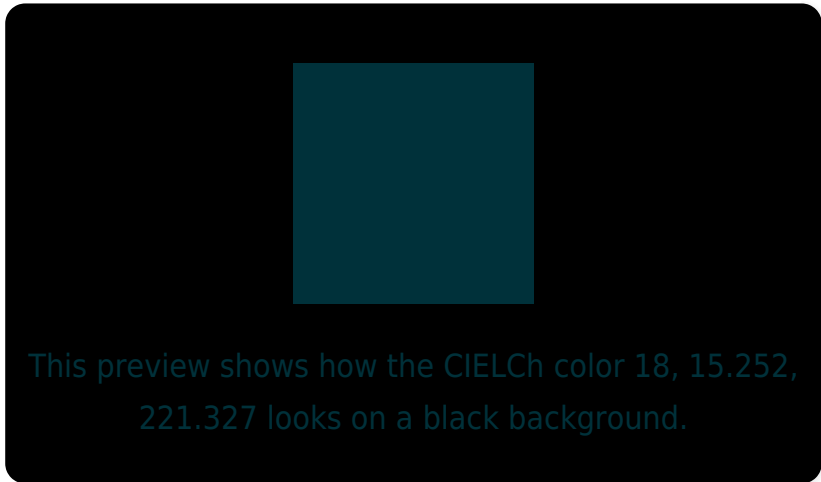
Large Text (above 18pt) WCAG AA ✓ Pass

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

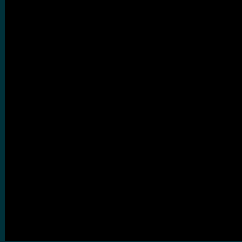
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

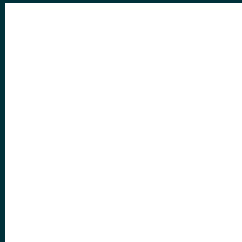
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 15.252, 221.327

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.252, 221.327.



This preview shows how white text looks on a background with the CIELCh color 18, 15.252, 221.327.

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

18, 15.252, 221.327

Protanopia

18, 7.617, 285.571

Deuteranopia

18, 10.380, 285.851



Tritanopia
18, 15.375, 207.094

Trichromacy



Original Color
18, 15.252, 221.327

Protanomaly
18, 9.846, 243.361

Deuteranomaly
18, 11.370, 251.208

Tritanomaly
18, 15.301, 212.634

Monochromacy



Original Color
18, 15.252, 221.327

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 7.724, 213.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.252, 221.327 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, 49, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 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(0, 49, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.252, 221.327 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, 49, 58) }
```

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

```
.border{ border-color:rgb(0, 49, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 49, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 58); box-shadow:4px  
4px 4px 4px rgb(0, 49, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.252, 221.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 58) }
```

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

```
.background{ background-color: rgb(0, 49,  
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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