

Converting Colors

CIELCh(17, 24.983, 206.628)

Have a look what the booklet for
CIELCh(17, 24.983, 206.628)
contains.

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Color

CIELCh(18, 15.313, 215.414)

Conversions

Conversions Part 1

Format	Color
Hex	003138
RGB	0, 49, 56
RGB Percent	0%, 19%, 22%
CMY	1.0000, 0.8062, 0.7787
CMYK	1.00, 0.12, 0.00, 0.78
HSL	187°, 100%, 11%
HSV	187°, 100%, 22%
XYZ	1.8325, 2.5180, 4.1848
YIQ	35.1470, -31.4510, -8.2110

Conversions

Conversions Part 2

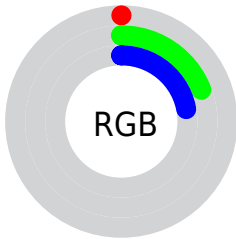
Format	Color
RYB	0, 26, 56
Decimal	12600
CIELab	18.00, -12.48, -8.87
CIELCh	18, 15.313, 215.414
Yxy	2.5180, 0.2147, 0.2950
Android (android.graphics.Color)	4278202680 (0xFF003138)
YUV	35.1470, 10.2805, -30.8239
Hunter-Lab	15.8683, -7.1563, -4.5280

Details

The CIELCh color **18, 15.313, 215.414** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 27.528, 30.811**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.026, 217.058**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.205, 215.568**, and if you desaturate by 10%, it is **18, 14.363, 214.721**.

Distribution



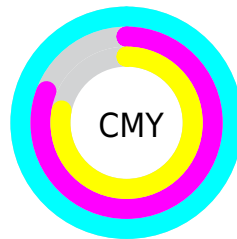
- Red (0%)
- Green (19%)
- Blue (22%)



- Red (0%)
- Yellow (10%)
- Blue (22%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (78%)





- Cyan (100%)
- Magenta (81%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 15.313, 215.414 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, 15.313, 215.414 by changing the saturation by 10% instead.

 18, 15.313,
215.414


 18, 15.313,
215.414


 100, 15.313,
215.414


 8, 15.313, 215.414


 38, 15.313,
215.414

 0, 15.313, 215.414

 48, 15.313,
215.414


 58, 15.313,
215.414


 68, 15.313,
215.414


 78, 15.313,
215.414


 88, 15.313,


215.414


 98, 15.313,
215.414


 18, 15.313,
215.414


 18, 15.313,
215.414

 18, 15.205,
215.568

 18, 14.363,
214.721

 19, 13.560,
213.717

 19, 12.591,
212.830

 20, 11.372,
212.159

 20, 9.918, 211.672

■ 21, 8.253, 211.342

■ 22, 6.401, 211.145

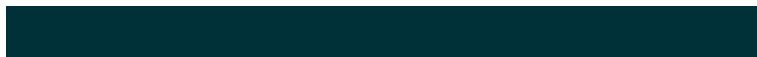
■ 22, 4.391, 211.063

■ 23, 2.249, 211.102

Harmonies

Complementary

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



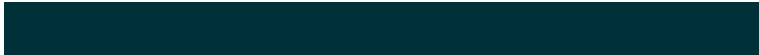
18, 15.313, 215.414



9, 27.528, 30.811

Rectangle

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



18, 15.313, 215.414



18, 15.313, 265.414



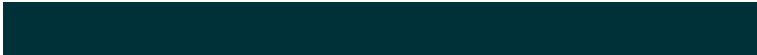
18, 15.313, 35.414



18, 15.313, 85.414

Sweetspot

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



18, 15.205, 215.568



29, 7.988, 211.167



20, 37.558, 139.908



13, 5.478, 211.190



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, 15.205, 215.568



24, 18.100, 216.651



8, 26.294, 286.963



10, 1.244, 211.128



31, 20.937, 217.390



71, 39.208, 219.402

Inverse Universe

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



10, 36.383, 332.998



15, 43.283, 333.265



16, 24.141, 73.463



9, 2.328, 328.392



19, 50.037, 333.447



51, 93.481, 333.944

Previews

White Background



This preview shows how the CIE LCh color 18, 15.313, 215.414 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 CIE LCh color 18, 15.313, 215.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

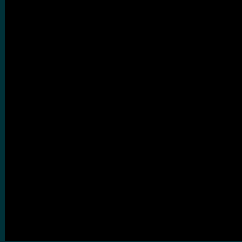
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

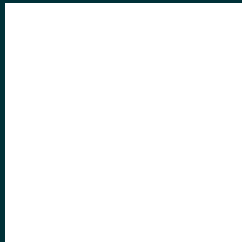
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 15.313, 215.414

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.313, 215.414.



This preview shows how white text looks on a background with the CIELCh color 18, 15.313, 215.414.

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, 15.124, 215.722

Protanopia

18, 6.216, 287.666

Deuteranopia

18, 9.666, 287.568



Tritanopia
18, 15.375, 207.094

Trichromacy



Original Color
18, 15.124, 215.722

Protanomaly
18, 9.109, 235.961

Deuteranomaly
18, 10.265, 246.655

Tritanomaly
18, 15.322, 209.857

Monochromacy



Original Color
18, 15.124, 215.722

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 7.726, 213.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.313, 215.414 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 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, 49, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.313, 215.414 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, 56) }
```

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

```
.border{ border-color:rgb(0, 49, 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, 49, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 56); box-shadow:4px  
4px 4px 4px rgb(0, 49, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.313, 215.414 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, 56) }
```

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

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