

Converting Colors

CIELCh(17, 22.537, 206.223)

Have a look what the booklet for
CIELCh(17, 22.537, 206.223)
contains.

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Color

CIELCh(18, 15.301, 212.634)

Conversions

Conversions Part 1

Format	Color
Hex	003238
RGB	0, 50, 56
RGB Percent	0%, 20%, 22%
CMY	1.0000, 0.8058, 0.7823
CMYK	1.00, 0.11, 0.00, 0.78
HSL	186°, 100%, 11%
HSV	186°, 100%, 22%
XYZ	1.8159, 2.5180, 4.0701
YIQ	35.7340, -31.7260, -8.7340

Conversions

Conversions Part 2

Format	Color
RYB	0, 26, 56
Decimal	12856
CIELab	18.00, -12.89, -8.25
CIELCh	18, 15.301, 212.634
Yxy	2.5180, 0.2161, 0.2996
Android (android.graphics.Color)	4278202936 (0xFF003238)
YUV	35.7340, 9.9911, -31.3387
Hunter-Lab	15.8683, -7.3428, -4.0995

Details

The CIELCh color **18, 15.301, 212.634** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 27.364, 29.544**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.212, 214.276**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.210, 212.745**, and if you desaturate by 10%, it is **18, 14.363, 212.068**.

Distribution



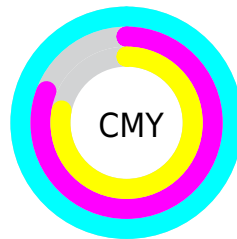
- Red (0%)
- Green (20%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (78%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.301, 212.634 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, 15.301, 212.634 by changing the saturation by 10% instead.

■ 18, 15.301,
212.634

■ 18, 15.301,
212.634

■ 100, 15.301,
212.634

■ 8, 15.301, 212.634

■ 38, 15.301,
212.634

■ 0, 15.301, 212.634

■ 48, 15.301,
212.634


■ 58, 15.301,
212.634


■ 68, 15.301,
212.634


■ 78, 15.301,
212.634


■ 88, 15.301,

212.634


 98, 15.301,
212.634


 18, 15.301,
212.634


 18, 15.301,
212.634

 18, 15.210,
212.745

 18, 14.363,
212.068

 19, 13.554,
211.255

 19, 12.585,
210.536

 20, 11.366,
210.005

 20, 9.913, 209.637

■ 21, 8.248, 209.407

■ 21, 6.398, 209.296

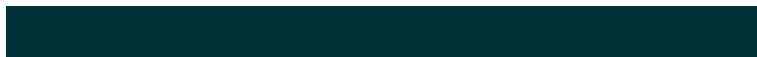
■ 22, 4.389, 209.289

■ 23, 2.248, 209.394

Harmonies

Complementary

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



18, 15.301, 212.634



9, 27.364, 29.544

Rectangle

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



18, 15.301, 212.634



18, 15.301, 262.634



18, 15.301, 32.634



18, 15.301, 82.634

Sweetspot

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



18, 15.210, 212.745



28, 7.862, 209.305



19, 37.403, 139.725



12, 5.240, 209.313



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 15.210, 212.745



24, 17.868, 213.613



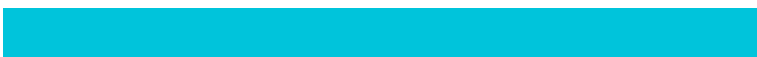
8, 25.225, 285.527



10, 1.260, 209.429



31, 21.147, 214.350



73, 39.570, 216.058

Inverse Universe

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



9, 36.408, 332.306



14, 42.775, 332.519



15, 23.559, 71.727



9, 2.355, 327.894



20, 50.622, 332.700



51, 94.663, 333.119

Previews

White Background



This preview shows how the CIE LCh color 18, 15.301, 212.634 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, 15.301, 212.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

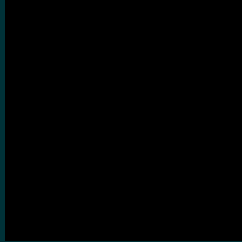
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

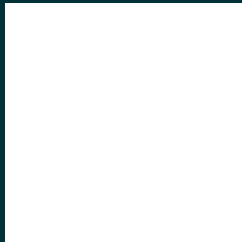
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 15.301, 212.634

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.301, 212.634.



This preview shows how white text looks on a background with the CIELCh color 18, 15.301, 212.634.

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, 15.301, 212.634

Protanopia

18, 5.530, 286.957

Deuteranopia

18, 8.962, 289.659



Tritanopia
18, 15.375, 207.094

Trichromacy



Original Color
18, 15.301, 212.634

Protanomaly
18, 8.798, 231.846

Deuteranomaly
18, 9.846, 243.361

Tritanomaly
18, 15.322, 209.857

Monochromacy



Original Color
18, 15.301, 212.634

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 7.670, 208.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.301, 212.634 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, 50, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 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, 50, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.301, 212.634 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, 50, 56) }
```

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

```
.border{ border-color:rgb(0, 50, 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, 50, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 50, 56); box-shadow:4px  
4px 4px 4px rgb(0, 50, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.301, 212.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 56) }
```

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

```
.background{ background-color: rgb(0, 50,  
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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