

Converting Colors

CIELCh(18, 15.322, 223.122)

Have a look what the booklet for
CIELCh(18, 15.322, 223.122)
contains.

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Color

CIELCh(18, 15.364, 224.086)

Conversions

Conversions Part 1

Format	Color
Hex	00313B
RGB	0, 49, 59
RGB Percent	0%, 19%, 23%
CMY	0.9997, 0.8076, 0.7684
CMYK	1.00, 0.17, 0.00, 0.77
HSL	190°, 100%, 12%
HSV	190°, 100%, 23%
XYZ	1.8923, 2.5180, 4.5317
YIQ	35.4890, -32.4140, -7.2780

Conversions

Conversions Part 2

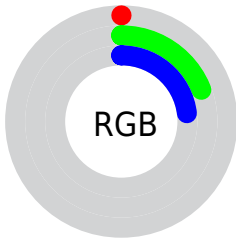
Format	Color
RYB	0, 27, 59
Decimal	12603
CIELab	18.00, -11.04, -10.69
CIElCh	18, 15.364, 224.086
Yxy	2.5180, 0.2116, 0.2816
Android (android.graphics.Color)	4278202683 (0xFF00313B)
YUV	35.4890, 11.5909, -31.1239
Hunter-Lab	15.8683, -6.4830, -5.8241

Details

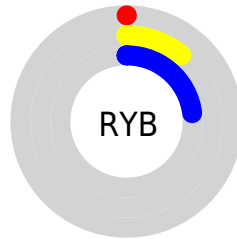
The CIELCh color **18, 15.364, 224.086** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 28.092, 34.230**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.185, 224.593**, and **1, 6.483, 287.727** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.374, 224.100**, and if you desaturate by 10%, it is **19, 14.508, 222.708**.

Distribution



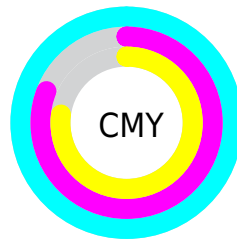
- Red (0%)
- Green (19%)
- Blue (23%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (77%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.364, 224.086 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, 15.364, 224.086 by changing the saturation by 10% instead.

 18, 15.364,
224.086


 18, 15.364,
224.086


 100, 15.364,
224.086


 8, 15.364, 224.086


 38, 15.364,
224.086

 0, 15.364, 224.086

 48, 15.364,
224.086


 58, 15.364,
224.086


 68, 15.364,
224.086


 78, 15.364,
224.086


 88, 15.364,


224.086


 98, 15.364,
224.086


 18, 15.364,
224.086


 18, 15.364,
224.086

 18, 15.374,
224.100

 19, 14.508,
222.708

 19, 13.691,
221.115

 20, 12.694,
219.723

 20, 11.450,
218.627

 21, 9.974, 217.782

■ 22, 8.289, 217.148

■ 22, 6.419, 216.690

■ 23, 4.393, 216.382

■ 24, 2.237, 216.223

Harmonies

Complementary

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



18, 15.364, 224.086



10, 28.092, 34.230

Rectangle

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



18, 15.364, 224.086



18, 15.364, 274.086



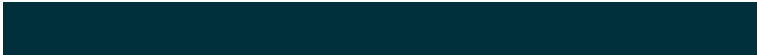
18, 15.364, 44.086



18, 15.364, 94.086

Sweetspot

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



18, 15.364, 224.086



29, 7.961, 216.748



21, 37.897, 140.589



13, 5.311, 216.799



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, 15.364, 224.086



24, 18.225, 225.557



7, 29.583, 290.770



11, 1.298, 216.218



30, 21.039, 226.567



69, 39.210, 229.348

Inverse Universe

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



10, 36.274, 335.115



15, 42.865, 335.492



18, 25.942, 78.432



10, 2.431, 329.893



20, 49.326, 335.751



51, 91.003, 336.474

Previews

White Background



This preview shows how the CIELCh color 18, 15.364, 224.086 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, 15.364, 224.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

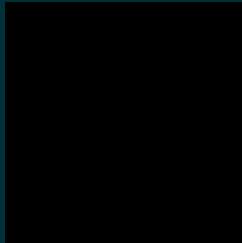
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

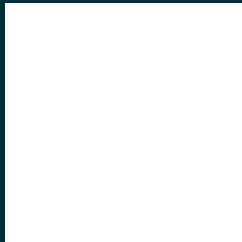
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 15.364, 224.086

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.364, 224.086.



This preview shows how white text looks on a background with the CIELCh color 18, 15.364, 224.086.

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, 15.364, 224.086

Protanopia

18, 8.300, 286.321

Deuteranopia

18, 11.101, 284.437



Tritanopia
18, 15.375, 207.094

Trichromacy



Original Color
18, 15.364, 224.086

Protanomaly
18, 10.265, 246.655

Deuteranomaly
18, 12.025, 252.625

Tritanomaly
18, 15.301, 212.634

Monochromacy



Original Color
18, 15.364, 224.086

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, 15.364, 224.086 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.364, 224.086 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, 59) }
```

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

```
.border{ border-color:rgb(0, 49, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 59); box-shadow:4px  
4px 4px 4px rgb(0, 49, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.364, 224.086 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, 59) }
```

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

```
.background{ background-color: rgb(0, 49,  
59) }
```

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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