

Converting Colors

CIELCh(18, 12.415, 232.798)

Have a look what the booklet for
CIELCh(18, 12.415, 232.798)
contains.

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Color

CIELCh(18, 12.460, 231.668)

Conversions

Conversions Part 1

Format	Color
Hex	11303A
RGB	17, 48, 58
RGB Percent	7%, 19%, 23%
CMY	0.9342, 0.8125, 0.7734
CMYK	0.71, 0.17, 0.00, 0.77
HSL	195°, 55%, 15%
HSV	195°, 71%, 23%
XYZ	2.0343, 2.5180, 4.3545
YIQ	39.8710, -21.6860, -3.4620

Conversions

Conversions Part 2

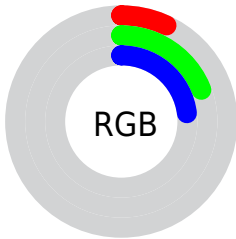
Format	Color
R_{YB}	17, 35, 58
Decimal	1126458
CIE _{Lab}	18.00, -7.73, -9.77
CIE _{LCh}	18, 12.460, 231.668
Yxy	2.5180, 0.2284, 0.2827
Android (android.graphics.Color)	4279316538 (0xFF11303A)
YUV	39.8710, 8.9376, -20.0579
Hunter-Lab	15.8683, -4.8858, -5.1622

Details

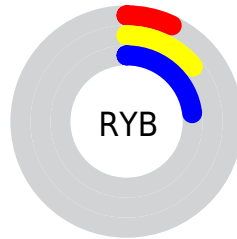
The CIELCh color **18, 12.460, 231.668** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 19.521, 43.405**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.320, 231.844**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.515, 233.842**, and if you desaturate by 10%, it is **19, 11.200, 229.893**.

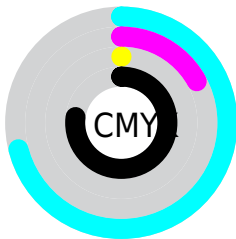
Distribution



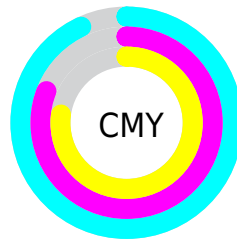
- Red (7%)
- Green (19%)
- Blue (23%)



- Red (7%)
- Yellow (14%)
- Blue (23%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (77%)



- Cyan (93%)
- Magenta (81%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.460, 231.668 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, 12.460, 231.668 by changing the saturation by 10% instead.

■ 18, 12.460,
231.668

■ 18, 12.460,
231.668

■ 100, 12.460,
231.668

■ 8, 12.460, 231.668

■ 38, 12.460,
231.668

■ 0, 12.460, 231.668

■ 48, 12.460,
231.668

■ 58, 12.460,
231.668

■ 68, 12.460,
231.668

■ 78, 12.460,
231.668


■ 88, 12.460,


231.668


 98, 12.460,
231.668

 18, 12.460,
231.668


 18, 12.460,
231.668


 17, 13.515,
233.842


 19, 11.200,
229.893

 17, 14.461,
236.168

 20, 9.745, 228.463

 16, 15.369,
237.939

 20, 8.111, 227.320

 21, 6.319, 226.417

 22, 4.391, 225.715

 23, 2.350, 225.201

■ 24, 0.216, 225.699

■ 25, 1.993, 44.237

■ 26, 4.260, 44.052

Harmonies

Complementary

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



18, 12.460, 231.668



14, 19.521, 43.405

Rectangle

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



18, 12.460, 231.668



18, 12.460, 281.668



18, 12.460, 51.668



18, 12.460, 101.668

Sweetspot

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



18, 12.460, 231.667



29, 5.387, 225.774



21, 27.300, 145.665



14, 3.674, 225.825



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, 12.460, 231.667



23, 16.700, 235.855



11, 22.058, 287.806



10, 1.162, 225.103



27, 21.214, 241.479



64, 40.664, 245.484

Inverse Universe

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



13, 26.812, 336.593



16, 36.534, 338.065



20, 20.789, 88.244



9, 2.139, 332.516



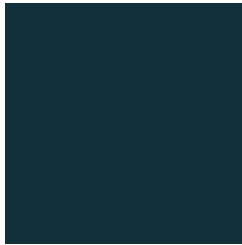
19, 45.984, 339.869



49, 85.396, 341.113

Previews

White Background



This preview shows how the CIELCh color 18, 12.460, 231.668 looks on a white background.

Color Contrast Check

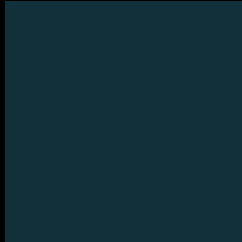
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.460, 231.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

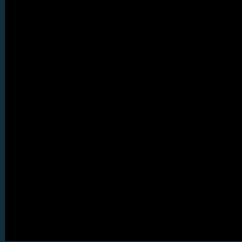
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

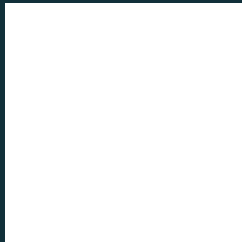
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 12.460, 231.668

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.460, 231.668.



This preview shows how white text looks on a background with the CIELCh color 18, 12.460, 231.668.

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, 12.460, 231.668

Protanopia
18, 7.666, 282.419

Deuteranopia
18, 11.097, 286.553



Tritanopia
18, 12.778, 209.701

Trichromacy



Original Color
18, 12.460, 231.668

Protanomaly
18, 9.035, 256.684

Deuteranomaly
18, 10.714, 264.206

Tritanomaly
18, 12.639, 216.566

Monochromacy



Original Color
18, 12.460, 231.668

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 5.196, 222.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.460, 231.668 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(17, 48, 58)` looks like.

```
.text, #text, p{  
    color:rgb(17, 48, 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(17, 48, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 48, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.460, 231.668 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(17, 48, 58) }
```

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

```
.border{ border-color:rgb(17, 48, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 48, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 48, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 48, 58);  
box-shadow:4px 4px 4px 4px rgb(17, 48, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.460, 231.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 48, 58) }
```

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

```
.background{ background-color: rgb(17, 48,  
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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