

Converting Colors

CIELCh(13, 38.982, 210.599)

Have a look what the booklet for
CIELCh(13, 38.982, 210.599)
contains.

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Color

CIELCh(17, 16.140, 241.926)

Conversions

Conversions Part 1

Format	Color
Hex	012E3E
RGB	1, 46, 62
RGB Percent	0%, 18%, 24%
CMY	0.9958, 0.8199, 0.7570
CMYK	0.98, 0.26, 0.00, 0.76
HSL	196°, 97%, 12%
HSV	196°, 98%, 24%
XYZ	1.8561, 2.3023, 4.8997
YIQ	34.3690, -31.9560, -4.5640

Conversions

Conversions Part 2

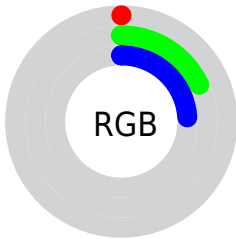
Format	Color
R_{YB}	1, 27, 62
Decimal	77374
CIE _{Lab}	17.00, -7.60, -14.24
CIE _{LCh}	17, 16.140, 241.926
Yxy	2.3023, 0.2049, 0.2542
Android (android.graphics.Color)	4278267454 (0xFF012E3E)
YUV	34.3690, 13.6221, -29.2646
Hunter-Lab	15.1734, -4.7182, -8.5240

Details

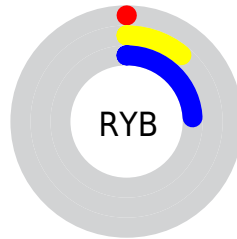
The CIELCh color **17, 16.140, 241.926** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 27.783, 40.990**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 16.339, 241.509**, and **1, 8.250, 288.252** is the 20% darker color. If you saturate the color by 10%, you get **17, 16.332, 242.304**, and if you desaturate by 10%, it is **18, 15.081, 239.522**.

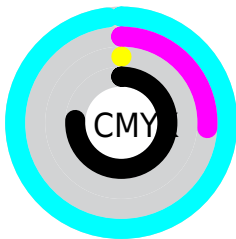
Distribution



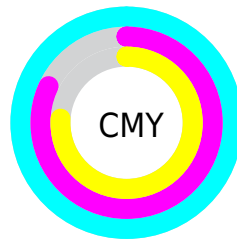
- Red (0%)
- Green (18%)
- Blue (24%)



- Red (0%)
- Yellow (11%)
- Blue (24%)



- Cyan (98%)
- Magenta (26%)
- Yellow (0%)
- Black (76%)



- Cyan (100%)
- Magenta (82%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 16.140, 241.926 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 17, 16.140, 241.926 by changing the saturation by 10% instead.

■ 17, 16.140,
241.926

■ 17, 16.140,
241.926

■ 100, 16.140,
241.926

■ 7, 16.140, 241.926

■ 37, 16.140,
241.926

■ 0, 16.140, 241.926

■ 47, 16.140,
241.926


■ 57, 16.140,
241.926


■ 67, 16.140,
241.926


■ 77, 16.140,
241.926


■ 87, 16.140,


241.926


 97, 16.140,
241.926


 17, 16.140,
241.926


 17, 16.140,
241.926

 17, 16.332,
242.304

 18, 15.081,
239.522

 19, 14.056,
236.830

 19, 12.854,
234.524

 20, 11.446,
232.638

 21, 9.843, 231.111

■ 22, 8.062, 229.886

■ 23, 6.125, 228.911

■ 24, 4.054, 228.147

■ 25, 1.871, 227.595

Harmonies

Complementary

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



17, 16.140, 241.926



12, 27.783, 40.990

Rectangle

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



17, 16.140, 241.926



17, 16.140, 291.926



17, 16.140, 61.926



17, 16.140, 111.926

Sweetspot

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



17, 16.140, 241.926



31, 7.862, 229.096



22, 36.901, 142.653



14, 5.280, 229.244



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



17, 16.140, 241.926



23, 19.830, 244.572



7, 34.106, 295.316



11, 1.245, 227.601



27, 22.031, 245.594



63, 42.015, 249.655

Inverse Universe

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



11, 34.727, 339.986



16, 41.962, 340.823



20, 28.316, 86.069



10, 2.274, 333.291



19, 46.222, 341.149



50, 84.936, 342.500

Previews

White Background



This preview shows how the CIELCh color 17, 16.140, 241.926 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 17, 16.140, 241.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

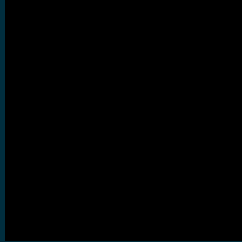
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

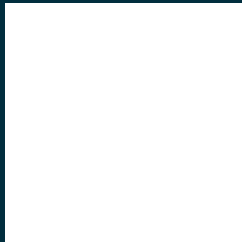
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 16.140, 241.926

Background



This preview shows how black text looks on a background with the CIELCh color 17, 16.140, 241.926.



This preview shows how white text looks on a background with the CIELCh color 17, 16.140, 241.926.

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


17, 16.144, 241.726

Protanopia

17, 11.857, 285.299

Deuteranopia

17, 14.765, 281.973



Tritanopia
17, 14.784, 207.635

Trichromacy



Original Color
17, 16.144, 241.726

Protanomaly
17, 13.201, 263.413

Deuteranomaly
17, 15.277, 265.557

Tritanomaly
17, 14.803, 219.270

Monochromacy



Original Color
17, 16.144, 241.726

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 7.692, 232.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 16.140, 241.926 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(1, 46, 62)` looks like.

```
.text, #text, p{  
    color:rgb(1, 46, 62)  
}
```

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(1, 46, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 46, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 16.140, 241.926 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(1, 46, 62) }
```

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

```
.border{ border-color:rgb(1, 46, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 46, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 46, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 46, 62); box-shadow:4px  
4px 4px 4px rgb(1, 46, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 16.140, 241.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 46, 62) }
```

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

```
.background{ background-color: rgb(1, 46,  
62) }
```

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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