

Converting Colors

CIELCh(16, 11.880, 226.526)

Have a look what the booklet for
CIELCh(16, 11.880, 226.526)
contains.

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Color

CIELCh(16, 11.906, 225.849)

Conversions

Conversions Part 1

Format	Color
Hex	0D2C34
RGB	13, 44, 52
RGB Percent	5%, 17%, 20%
CMY	0.9508, 0.8290, 0.7976
CMYK	0.76, 0.15, 0.00, 0.80
HSL	192°, 61%, 13%
HSV	192°, 76%, 20%
XYZ	1.6566, 2.0993, 3.5204
YIQ	35.6430, -21.0440, -4.0840

Conversions

Conversions Part 2

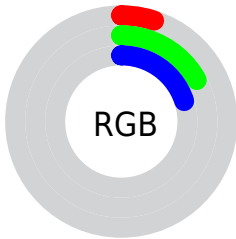
Format	Color
RYB	13, 30, 52
Decimal	863284
CIELab	16.00, -8.29, -8.54
CIElCh	16, 11.906, 225.849
Yxy	2.0993, 0.2277, 0.2885
Android (android.graphics.Color)	4279053364 (0xFF0D2C34)
YUV	35.6430, 8.0640, -19.8579
Hunter-Lab	14.4890, -4.9466, -4.2636

Details

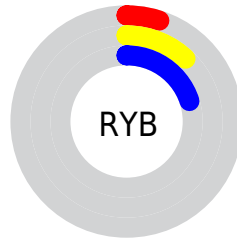
The CIELCh color **16, 11.906, 225.849** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 18.853, 38.027**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 11.959, 222.818**, and **0, 2.016, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.781, 227.607**, and if you desaturate by 10%, it is **17, 10.862, 224.346**.

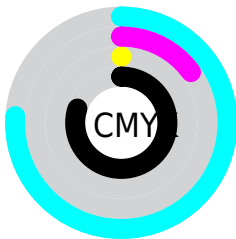
Distribution



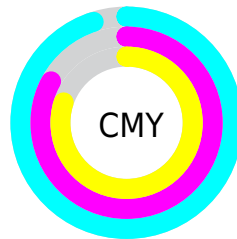
- Red (5%)
- Green (17%)
- Blue (20%)



- Red (5%)
- Yellow (12%)
- Blue (20%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (80%)



- Cyan (95%)
- Magenta (83%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.906, 225.849 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 16, 11.906, 225.849 by changing the saturation by 10% instead.

■ 16, 11.906,
225.849

■ 16, 11.906,
225.849

■ 100, 11.906,
225.849

■ 6, 11.906, 225.849

■ 36, 11.906,
225.849

■ 0, 11.906, 225.849

■ 46, 11.906,
225.849


■ 56, 11.906,
225.849


■ 66, 11.906,
225.849


■ 76, 11.906,
225.849


■ 86, 11.906,


225.849


 96, 11.906,
225.849

 16, 11.906,
225.849

 16, 11.906,
225.849

 15, 12.781,
227.607

 17, 10.862,
224.346

 15, 13.686,
229.116

 17, 9.623, 223.145

 15, 14.093,
229.668

 18, 8.205, 222.199

 19, 6.627, 221.465

 19, 4.909, 220.909

 20, 3.074, 220.511

■ 21, 1.141, 220.318

■ 22, 0.872, 39.677

■ 23, 2.947, 39.708

Harmonies

Complementary

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



16, 11.906, 225.849



11, 18.853, 38.027

Rectangle

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



16, 11.906, 225.849



16, 11.906, 275.849



16, 11.906, 45.849



16, 11.906, 95.849

Sweetspot

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



16, 11.906, 225.848



26, 5.442, 220.837



18, 26.962, 144.207



11, 3.676, 220.877



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 11.906, 225.848



20, 15.785, 229.769



9, 20.467, 286.452



9, 1.088, 220.330



27, 20.340, 233.418



65, 39.003, 237.020

Inverse Universe

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



10, 26.409, 335.070



13, 35.903, 336.448



17, 19.224, 85.142



8, 2.024, 331.074



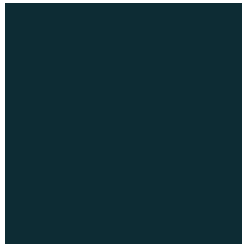
18, 46.346, 337.563



49, 87.104, 338.566

Previews

White Background



This preview shows how the CIELCh color 16, 11.906, 225.849 looks on a white background.

Color Contrast Check

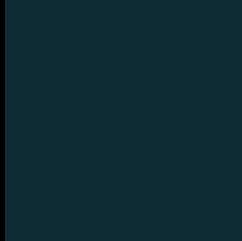
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 16, 11.906, 225.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

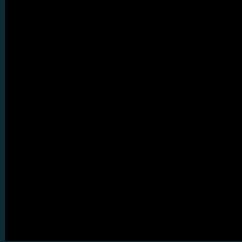
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

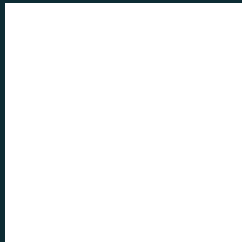
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 11.906, 225.849

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.906, 225.849.



This preview shows how white text looks on a background with the CIELCh color 16, 11.906, 225.849.

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


16, 11.906, 225.849

Protanopia

16, 6.341, 283.841

Deuteranopia

16, 9.837, 287.841



Tritanopia
16, 12.329, 210.342

Trichromacy



Original Color
16, 11.906, 225.849

Protanomaly
16, 7.857, 252.676

Deuteranomaly
16, 9.116, 257.182

Tritanomaly
16, 12.151, 214.103

Monochromacy



Original Color
16, 11.906, 225.849

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 5.247, 222.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.906, 225.849 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(13, 44, 52)` looks like.

```
.text, #text, p{  
    color:rgb(13, 44, 52)  
}
```

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(13, 44, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 44, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.906, 225.849 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(13, 44, 52) }
```

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

```
.border{ border-color:rgb(13, 44, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 44, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 44, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 44, 52);  
box-shadow:4px 4px 4px 4px rgb(13, 44, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.906, 225.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 44, 52) }
```

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

```
.background{ background-color: rgb(13, 44,  
52) }
```

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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