

Converting Colors

CIELCh(16, 11.470, 252.479)

Have a look what the booklet for
CIELCh(16, 11.470, 252.479)
contains.

CIELCh(16, 11.418, 251.951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 11.418, 251.951)

Conversions

Conversions Part 1

Format	Color
Hex	162A37
RGB	22, 42, 55
RGB Percent	9%, 16%, 22%
CMY	0.9139, 0.8354, 0.7844
CMYK	0.60, 0.24, 0.00, 0.78
HSL	204°, 43%, 15%
HSV	204°, 60%, 22%
XYZ	1.8457, 2.0993, 3.9180
YIQ	37.5020, -16.0930, -0.1970

Conversions

Conversions Part 2

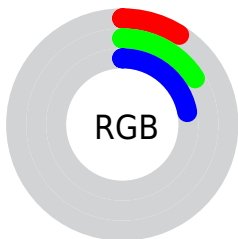
Format	Color
R_{YB}	22, 34, 55
Decimal	1452599
CIE _{Lab}	16.00, -3.54, -10.86
CIE _{LCh}	16, 11.418, 251.951
Yxy	2.0993, 0.2347, 0.2670
Android (android.graphics.Color)	4279642679 (0xFF162A37)
YUV	37.5020, 8.6265, -13.5953
Hunter-Lab	14.4890, -2.6172, -5.8905

Details

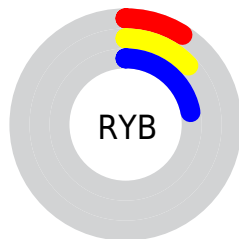
The CIELCh color **16, 11.418, 251.951** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 14.738, 58.340**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 11.478, 253.491**, and **0, 4.033, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.022, 254.470**, and if you desaturate by 10%, it is **17, 9.716, 249.811**.

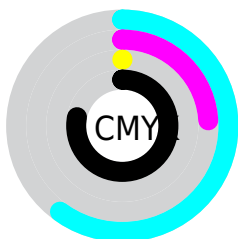
Distribution



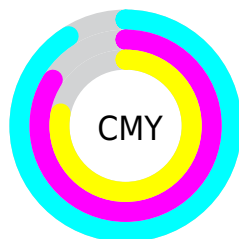
- Red (9%)
- Green (16%)
- Blue (22%)



- Red (9%)
- Yellow (13%)
- Blue (22%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (78%)



- Cyan (91%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.418, 251.951 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, 11.418, 251.951 by changing the saturation by 10% instead.

■ 16, 11.418,
251.951

■ 16, 11.418,
251.951

■ 100, 11.418,
251.951

■ 6, 11.418, 251.951

■ 36, 11.418,
251.951

■ 0, 11.418, 251.951

■ 46, 11.418,
251.951


■ 56, 11.418,
251.951


■ 66, 11.418,
251.951


■ 76, 11.418,
251.951


■ 86, 11.418,

251.951


 96, 11.418,
251.951

 16, 11.418,
251.951


 16, 11.418,
251.951

 15, 13.022,
254.470


 17, 9.716, 249.811

 14, 14.531,
257.410

 18, 7.920, 248.004

 13, 16.015,
260.408

 19, 6.040, 246.485

 12, 17.580,
262.801

 22, 2.073, 244.166

 23, 0.010, 262.084

 24, 2.093, 62.283

■ 26, 4.225, 61.654

■ 27, 6.378, 61.090

Harmonies

Complementary

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



16, 11.418, 251.951



16, 14.738, 58.340

Rectangle

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



16, 11.418, 251.951



16, 11.418, 301.951



16, 11.418, 71.951



16, 11.418, 121.951

Sweetspot

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



16, 11.418, 251.950



28, 4.578, 245.079



20, 20.035, 152.765



12, 3.114, 245.187



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



16, 11.418, 251.950



20, 16.448, 256.034



10, 21.380, 293.098



10, 1.166, 244.019



22, 26.194, 267.627



54, 52.400, 272.114

Inverse Universe

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



13, 20.345, 343.019



16, 29.194, 344.786



21, 19.177, 99.439



9, 1.921, 338.825



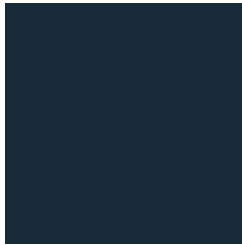
18, 42.078, 350.168



48, 78.042, 352.752

Previews

White Background



This preview shows how the CIELCh color 16, 11.418, 251.951 looks on a white background.

Color Contrast Check

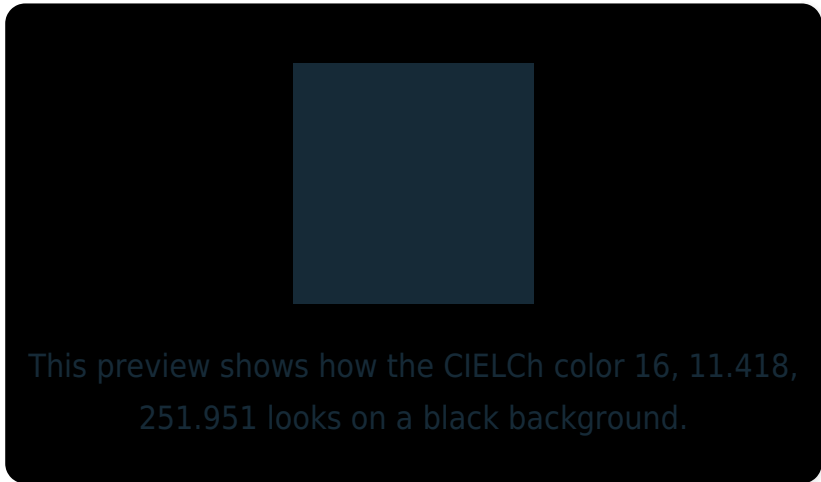
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

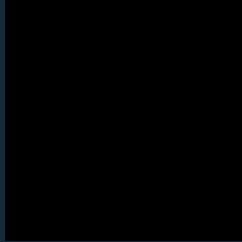
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 11.418, 251.951

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.418, 251.951.



This preview shows how white text looks on a background with the CIELCh color 16, 11.418, 251.951.

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, 11.418, 251.951

Protanopia

16, 9.871, 285.448

Deuteranopia

16, 12.029, 283.691



Tritanopia
16, 9.962, 214.042

Trichromacy



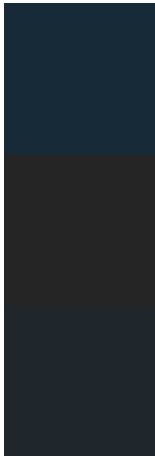
Original Color
16, 11.418, 251.951

Protanomaly
16, 10.324, 272.220

Deuteranomaly
16, 11.718, 273.598

Tritanomaly
16, 10.127, 227.042

Monochromacy



Original Color
16, 11.418, 251.951

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.633, 248.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.418, 251.951 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(22, 42, 55)` looks like.

```
.text, #text, p{  
    color:rgb(22, 42, 55)  
}
```

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(22, 42, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 42, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.418, 251.951 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(22, 42, 55) }
```

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

```
.border{ border-color:rgb(22, 42, 55) }
```

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

Here you see how a box with a 4 pixel rgb(22, 42, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 42, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 42, 55);  
box-shadow:4px 4px 4px 4px rgb(22, 42, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.418, 251.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 42, 55) }
```

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

```
.background{ background-color: rgb(22, 42,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor