

Converting Colors

CIELCh(16, 12.070, 280.467)

Have a look what the booklet for
CIELCh(16, 12.070, 280.467)
contains.

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Color

CIELCh(16, 12.112, 280.026)

Conversions

Conversions Part 1

Format	Color
Hex	212839
RGB	33, 40, 57
RGB Percent	13%, 16%, 22%
CMY	0.8722, 0.8447, 0.7781
CMYK	0.42, 0.30, 0.00, 0.78
HSL	222°, 27%, 17%
HSV	222°, 42%, 22%
XYZ	2.0882, 2.0993, 4.1118
YIQ	39.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

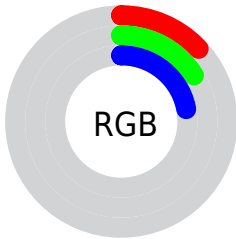
Format	Color
RYB	33, 38, 57
Decimal	2172985
CIELab	16.00, 2.11, -11.93
CIELCh	16, 12.112, 280.026
Yxy	2.0993, 0.2516, 0.2529
Android (android.graphics.Color)	4280363065 (0xFF212839)
YUV	39.8450, 8.4574, -6.0031
Hunter-Lab	14.4890, 0.3708, -6.6833

Details

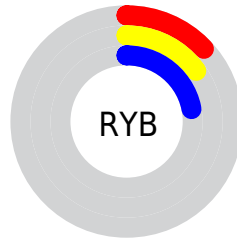
The CIELCh color **16, 12.112, 280.026** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 11.979, 89.677**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 12.012, 279.228**, and **0, 4.948, 286.966** is the 20% darker color. If you saturate the color by 10%, you get **14, 15.115, 281.918**, and if you desaturate by 10%, it is **18, 9.169, 278.368**.

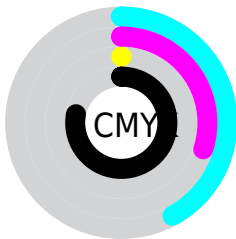
Distribution



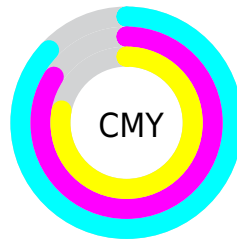
- Red (13%)
- Green (16%)
- Blue (22%)



- Red (13%)
- Yellow (15%)
- Blue (22%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (78%)



- Cyan (87%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 12.112, 280.026 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, 12.112, 280.026 by changing the saturation by 10% instead.

■ 16, 12.112,
280.026

■ 16, 12.112,
280.026

■ 100, 12.112,
280.026

■ 6, 12.112, 280.026

■ 36, 12.112,
280.026

■ 0, 12.112, 280.026

■ 46, 12.112,
280.026

■ 56, 12.112,
280.026

■ 66, 12.112,
280.026

■ 76, 12.112,
280.026

■ 86, 12.112,

280.026

96, 12.112,
280.026

16, 12.112,
280.026

16, 12.112,
280.026

14, 15.115,
281.918

18, 9.169, 278.368

12, 18.188,
284.064

20, 6.282, 276.919

11, 21.338,
286.472

22, 3.447, 275.659

9, 24.570, 289.126

25, 2.076, 93.491

7, 27.830, 291.421

27, 4.767, 92.644

6, 29.971, 292.058

29, 7.411, 91.878

■ 31, 10.009, 91.190

■ 32, 12.562, 90.572

Harmonies

Complementary

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



16, 12.112, 280.026



21, 11.979, 89.677

Rectangle

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



16, 12.112, 280.026



16, 12.112, 330.026



16, 12.112, 100.026



16, 12.112, 150.026

Sweetspot

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



16, 12.112, 280.026



28, 4.529, 275.806



22, 11.479, 172.289



13, 3.202, 275.923



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



16, 12.112, 280.026



20, 18.425, 282.143



14, 17.237, 301.138



9, 1.525, 275.200



13, 45.922, 296.257



36, 93.968, 299.109

Inverse Universe

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



16, 12.759, 0.753



20, 19.323, 2.401



23, 15.853, 115.521



9, 1.574, 357.085



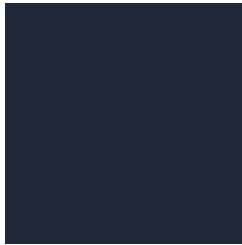
17, 40.878, 17.472



46, 78.863, 22.517

Previews

White Background



This preview shows how the CIELCh color 16, 12.112, 280.026 looks on a white background.

Color Contrast Check

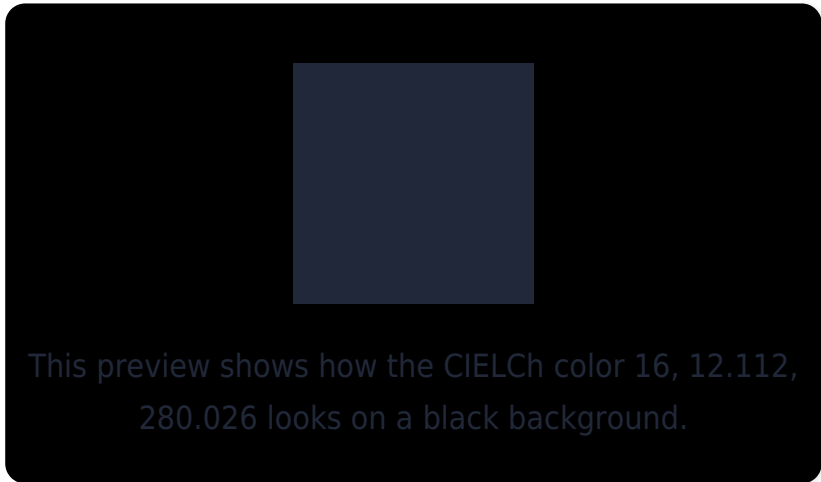
Large Text (above 18pt) WCAG AA ✓ Pass

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

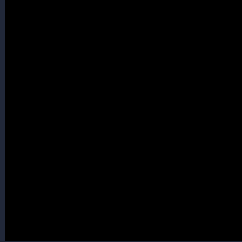
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

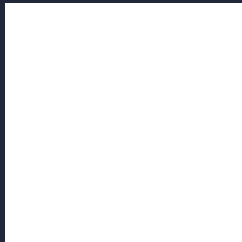
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 12.112, 280.026

Background



This preview shows how black text looks on a background with the CIELCh color 16, 12.112, 280.026.

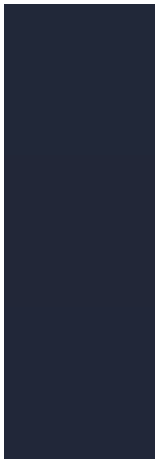


This preview shows how white text looks on a background with the CIELCh color 16, 12.112, 280.026.

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, 12.112, 280.026

Protanopia

16, 12.029, 283.691

Deuteranopia

16, 12.766, 282.786



Tritanopia
16, 5.578, 220.666

Trichromacy



Original Color
16, 12.112, 280.026

Protanomaly
16, 12.086, 281.889

Deuteranomaly
16, 12.766, 282.786

Tritanomaly
16, 6.891, 253.736

Monochromacy



Original Color
16, 12.112, 280.026

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 4.296, 279.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 12.112, 280.026 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(33, 40, 57)` looks like.

```
.text, #text, p{  
    color:rgb(33, 40, 57)  
}
```

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(33, 40, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 40, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 12.112, 280.026 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(33, 40, 57) }
```

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

```
.border{ border-color:rgb(33, 40, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 40, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 40, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 40, 57);  
box-shadow:4px 4px 4px 4px rgb(33, 40, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 12.112, 280.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 40, 57) }
```

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

```
.background{ background-color: rgb(33, 40,  
57) }
```

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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