

Converting Colors

CIELCh(12, 10.527, 229.084)

Have a look what the booklet for
CIELCh(12, 10.527, 229.084)
contains.

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Color

CIELCh(12, 10.419, 226.933)

Conversions

Conversions Part 1

Format	Color
Hex	09232A
RGB	9, 35, 42
RGB Percent	4%, 14%, 16%
CMY	0.9660, 0.8639, 0.8364
CMYK	0.79, 0.17, 0.00, 0.84
HSL	193°, 66%, 10%
HSV	193°, 79%, 16%
XYZ	1.1140, 1.4064, 2.3758
YIQ	28.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

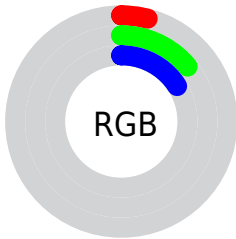
Format	Color
RYB	9, 24, 42
Decimal	598826
CIELab	12.00, -7.11, -7.61
CIElCh	12, 10.419, 226.933
Yxy	1.4064, 0.2275, 0.2872
Android (android.graphics.Color)	4278788906 (0xFF09232A)
YUV	28.0240, 6.8902, -16.6840
Hunter-Lab	11.8591, -3.9860, -3.5767

Details

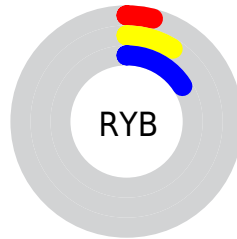
The CIELCh color **12, 10.419, 226.933** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 15.312, 33.337**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 10.276, 228.051**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 11.318, 228.164**, and if you desaturate by 10%, it is **13, 9.529, 225.478**.

Distribution



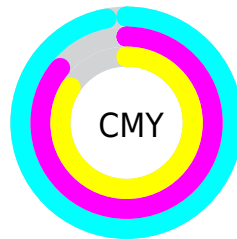
- Red (4%)
- Green (14%)
- Blue (16%)



- Red (4%)
- Yellow (9%)
- Blue (16%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)
- Black (84%)



- Cyan (97%)
- Magenta (86%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 10.419, 226.933 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 12, 10.419, 226.933 by changing the saturation by 10% instead.

■ 12, 10.419,
226.933

■ 12, 10.419,
226.933

■ 100, 10.419,
226.933

■ 2, 10.419, 226.933

■ 32, 10.419,
226.933

■ 0, 10.419, 226.933

■ 42, 10.419,
226.933


■ 52, 10.419,
226.933


■ 62, 10.419,
226.933


■ 72, 10.419,
226.933


■ 82, 10.419,

226.933


 92, 10.419,
226.933

 12, 10.419,
226.933


 12, 10.419,
226.933

 11, 11.318,
228.164

 13, 9.529, 225.478

 11, 12.280,
229.053

 13, 8.498, 224.271

 11, 12.362,
229.111

 14, 7.326, 223.303

 14, 6.026, 222.537

 15, 4.614, 221.942

 16, 3.107, 221.496

 16, 1.518, 221.206

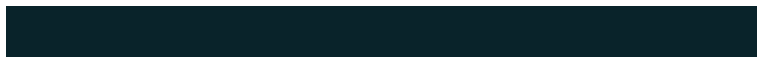
■ 17, 0.136, 39.475

■ 18, 1.845, 40.543

Harmonies

Complementary

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



12, 10.419, 226.933



8, 15.312, 33.337

Rectangle

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



12, 10.419, 226.933



12, 10.419, 276.933



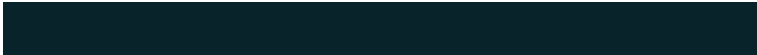
12, 10.419, 46.933



12, 10.419, 96.933

Sweetspot

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



12, 10.419, 226.932



20, 4.732, 221.757



14, 23.413, 144.832



9, 3.289, 221.777



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



12, 10.419, 226.932



15, 13.969, 230.586



6, 17.412, 284.667



6, 0.753, 221.828



25, 19.572, 234.532



64, 38.479, 238.532

Inverse Universe

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



7, 22.876, 335.337



9, 31.846, 336.710



13, 15.450, 84.782



6, 1.367, 331.154



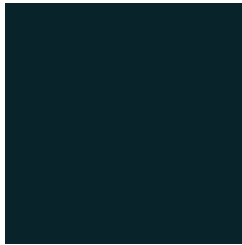
17, 44.337, 337.869



48, 85.123, 338.999

Previews

White Background



This preview shows how the CIELCh color 12, 10.419, 226.933 looks on a white background.

Color Contrast Check

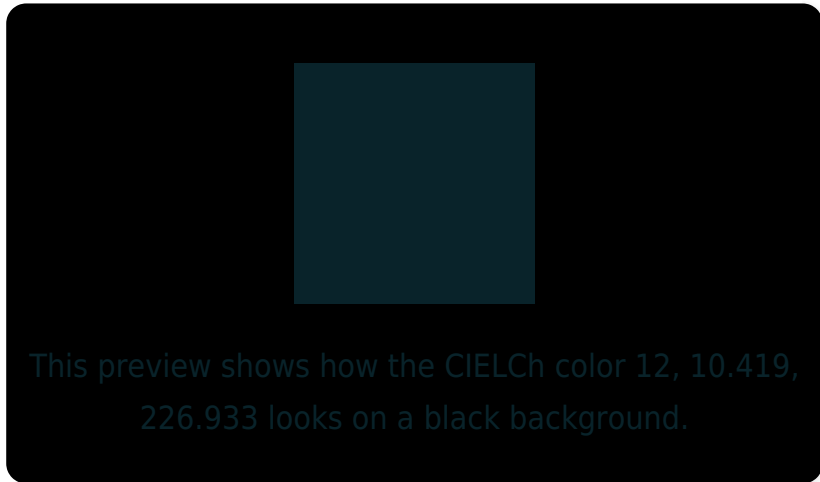
Large Text (above 18pt) WCAG AA ✓ Pass

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

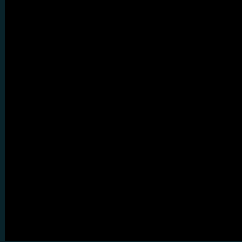
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

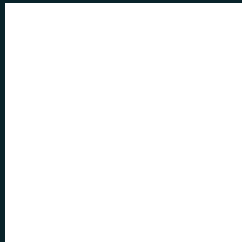
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 10.419, 226.933

Background



This preview shows how black text looks on a background with the CIELCh color 12, 10.419, 226.933.



This preview shows how white text looks on a background with the CIELCh color 12, 10.419, 226.933.

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
12, 10.419, 226.933

Protanopia
12, 5.814, 287.433

Deuteranopia
12, 8.003, 286.278



Tritanopia
12, 11.315, 208.113

Trichromacy



Original Color
12, 10.419, 226.933

Protanomaly
12, 7.057, 254.771

Deuteranomaly
12, 8.203, 261.862

Tritanomaly
12, 10.781, 212.878

Monochromacy



Original Color
12, 10.419, 226.933

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 4.593, 227.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 10.419, 226.933 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(9, 35, 42)` looks like.

```
.text, #text, p{  
    color:rgb(9, 35, 42)  
}
```

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(9, 35, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 35, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 10.419, 226.933 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(9, 35, 42) }
```

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

```
.border{ border-color:rgb(9, 35, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 35, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 35, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 35, 42); box-shadow:4px  
4px 4px 4px rgb(9, 35, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 10.419, 226.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 35, 42) }
```

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

```
.background{ background-color: rgb(9, 35,  
42) }
```

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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