

Converting Colors

CIELCh(7, 39.531, 205.615)

Have a look what the booklet for
CIELCh(7, 39.531, 205.615) contains.

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Color

CIELCh(11, 12.905, 236.430)

Conversions

Conversions Part 1

Format	Color
Hex	00212C
RGB	0, 33, 44
RGB Percent	0%, 13%, 17%
CMY	1.0000, 0.8711, 0.8280
CMYK	1.00, 0.25, 0.00, 0.83
HSL	195°, 100%, 9%
HSV	195°, 100%, 17%
XYZ	0.9913, 1.2610, 2.5611
YIQ	24.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

Format	Color
RYB	0, 19, 44
Decimal	8492
CIELab	11.00, -7.14, -10.75
CIELCh	11, 12.905, 236.430
Yxy	1.2610, 0.2059, 0.2620
Android (android.graphics.Color)	4278198572 (0xFF00212C)
YUV	24.3870, 9.6692, -21.3874
Hunter-Lab	11.2295, -3.8938, -5.6618

Details

The CIELCh color **11, 12.905, 236.430** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 19.165, 34.148**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 13.027, 238.028**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 12.885, 236.506**, and if you desaturate by 10%, it is **12, 11.868, 235.305**.

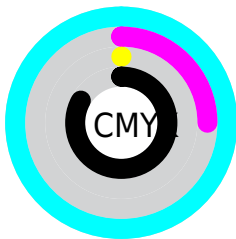
Distribution



- Red (0%)
- Green (13%)
- Blue (17%)



- Red (0%)
- Yellow (7%)
- Blue (17%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (83%)



- Cyan (100%)
- Magenta (87%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 12.905, 236.430 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 11, 12.905, 236.430 by changing the saturation by 10% instead.

■ 11, 12.905,
236.430

■ 11, 12.905,
236.430

■ 100, 12.905,
236.430

■ 1, 12.905, 236.430

■ 31, 12.905,
236.430

■ 0, 12.905, 236.430

■ 41, 12.905,
236.430


■ 51, 12.905,
236.430


■ 61, 12.905,
236.430


■ 71, 12.905,
236.430


■ 81, 12.905,


236.430


 91, 12.905,
236.430

 11, 12.905,
236.430

 11, 12.905,
236.430

 11, 12.885,
236.506

 12, 11.868,
235.305

 12, 10.917,
233.692

 13, 9.975, 231.829

 14, 8.894, 230.269

 14, 7.676, 228.997

 15, 6.331, 227.967

■ 16, 4.877, 227.142

■ 16, 3.327, 226.492

■ 17, 1.697, 226.015

Harmonies

Complementary

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



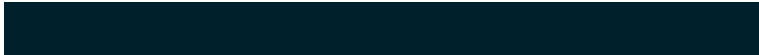
11, 12.905, 236.430



7, 19.165, 34.148

Rectangle

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



11, 12.905, 236.430



11, 12.905, 286.430



11, 12.905, 56.430



11, 12.905, 106.430

Sweetspot

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



11, 12.885, 236.506



21, 5.977, 227.267



14, 28.517, 145.446



8, 3.965, 227.367



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



11, 12.885, 236.506



15, 15.127, 238.976



4, 23.224, 287.744



7, 0.920, 226.647



25, 20.476, 242.486



62, 40.249, 246.878

Inverse Universe

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



6, 27.748, 338.429



9, 33.366, 339.128



13, 19.724, 86.887



7, 1.648, 332.638



17, 44.052, 340.175



48, 83.505, 341.565

Previews

White Background



This preview shows how the CIELCh color 11, 12.905, 236.430 looks on a white background.

Color Contrast Check

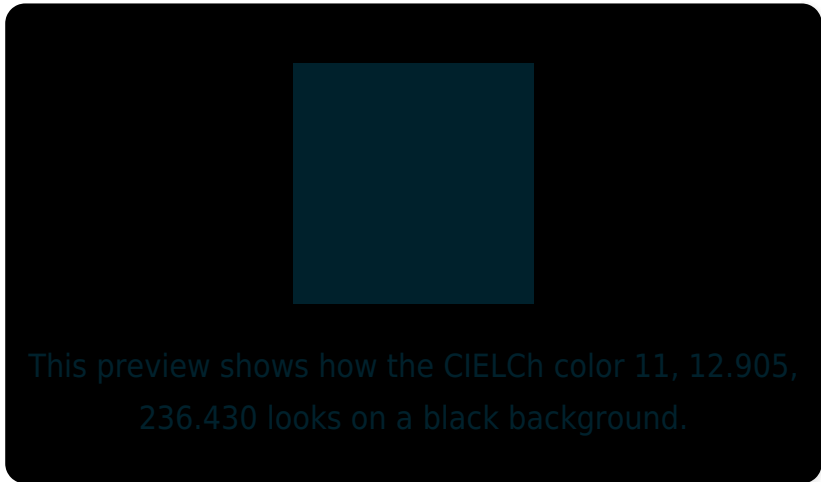
Large Text (above 18pt) WCAG AA ✓ Pass

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

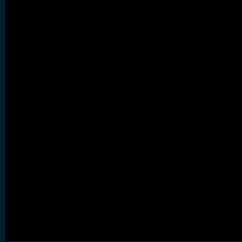
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

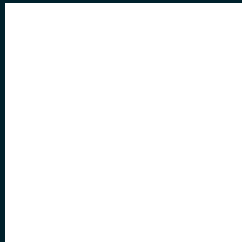
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 12.905, 236.430

Background



This preview shows how black text looks on a background with the CIELCh color 11, 12.905, 236.430.



This preview shows how white text looks on a background with the CIELCh color 11, 12.905, 236.430.

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

11, 12.905, 236.430

Protanopia

11, 8.799, 284.392

Deuteranopia

11, 11.041, 282.806



Tritanopia
11, 12.310, 203.449

Trichromacy



Original Color
11, 12.905, 236.430

Protanomaly
11, 10.065, 260.050

Deuteranomaly
11, 11.378, 263.642

Tritanomaly
11, 12.160, 214.485

Monochromacy



Original Color
11, 12.905, 236.430

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 5.947, 228.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 12.905, 236.430 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(0, 33, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 44)  
}
```

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(0, 33, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 12.905, 236.430 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(0, 33, 44) }
```

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

```
.border{ border-color:rgb(0, 33, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 33, 44); box-shadow:4px  
4px 4px 4px rgb(0, 33, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 12.905, 236.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 44) }
```

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

```
.background{ background-color: rgb(0, 33,  
44) }
```

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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