

Converting Colors

CIELCh(12, 24.937, 283.257)

Have a look what the booklet for
CIELCh(12, 24.937, 283.257)
contains.

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Color

CIELCh(12, 24.880, 282.991)

Conversions

Conversions Part 1

Format	Color
Hex	071F41
RGB	7, 31, 65
RGB Percent	3%, 12%, 25%
CMY	0.9726, 0.8785, 0.7451
CMYK	0.89, 0.52, 0.00, 0.75
HSL	215°, 81%, 14%
HSV	215°, 89%, 25%
XYZ	1.5313, 1.4064, 5.1907
YIQ	27.7000, -25.2180, 5.4860

Conversions

Conversions Part 2

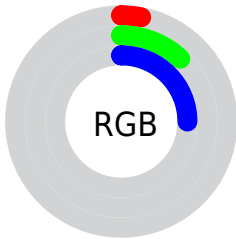
Format	Color
R_{YB}	7, 24, 65
Decimal	466753
CIE Lab	12.00, 5.59, -24.24
CIE LCh	12, 24.880, 282.991
Yxy	1.4064, 0.1884, 0.1730
Android (android.graphics.Color)	4278656833 (0xFF071F41)
YUV	27.7000, 18.3889, -18.1539
Hunter-Lab	11.8591, 2.2954, -17.6499

Details

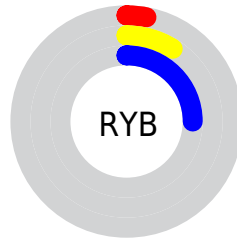
The CIELCh color **12, 24.880, 282.991** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 25.666, 72.426**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 24.975, 283.021**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **10, 27.897, 285.675**, and if you desaturate by 10%, it is **14, 21.988, 279.818**.

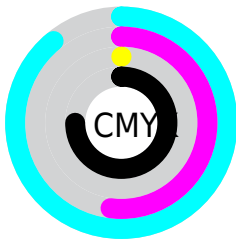
Distribution



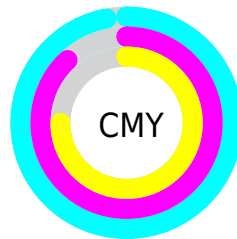
- Red (3%)
- Green (12%)
- Blue (25%)



- Red (3%)
- Yellow (9%)
- Blue (25%)



- Cyan (89%)
- Magenta (52%)
- Yellow (0%)
- Black (75%)



- Cyan (97%)
- Magenta (88%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 24.880, 282.991 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, 24.880, 282.991 by changing the saturation by 10% instead.

■ 12, 24.880,
282.991

■ 12, 24.880,
282.991

■ 100, 24.880,
282.991

■ 2, 24.880, 282.991

■ 32, 24.880,
282.991

■ 0, 24.880, 282.991

■ 42, 24.880,
282.991


■ 52, 24.880,
282.991


■ 62, 24.880,
282.991


■ 72, 24.880,
282.991


■ 82, 24.880,


282.991


 92, 24.880,
282.991


 12, 24.880,
282.991


 12, 24.880,
282.991


 10, 27.897,
285.675


 14, 21.988,
279.818

 10, 28.134,
285.859

 15, 19.155,
276.839

 17, 16.355,
274.187

 19, 13.573,
271.860

 20, 10.802,
269.835

■ 22, 8.038, 268.080

■ 24, 5.280, 266.564

■ 26, 2.531, 265.266

■ 28, 0.205, 83.397

Harmonies

Complementary

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



12, 24.880, 282.991



19, 25.666, 72.426

Rectangle

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



12, 24.880, 282.991



12, 24.880, 332.991



12, 24.880, 102.991



12, 24.880, 152.991

Sweetspot

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



12, 24.880, 282.992



30, 9.201, 267.902



24, 26.476, 158.278



14, 6.256, 268.106



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



12, 24.880, 282.992



15, 34.928, 287.803



6, 41.716, 303.486



12, 1.550, 265.185



17, 39.286, 288.676



43, 78.438, 291.964

Inverse Universe

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



12, 28.993, 1.437



16, 37.693, 5.899



26, 33.355, 107.853



12, 1.950, 349.174



19, 41.558, 6.903



48, 76.919, 11.050

Previews

White Background



This preview shows how the CIELCh color 12, 24.880, 282.991 looks on a white background.

Color Contrast Check

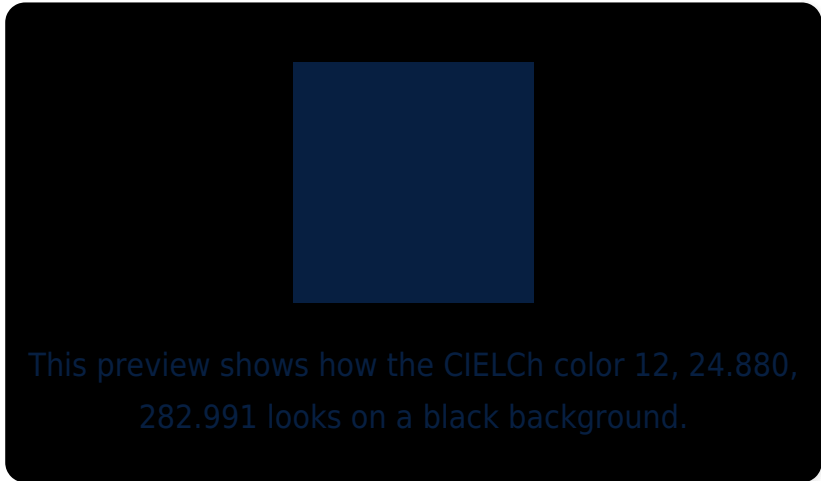
Large Text (above 18pt) WCAG AA ✓ Pass

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

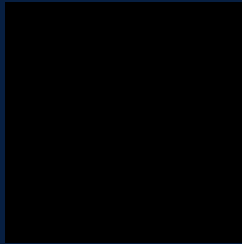
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 24.880, 282.991

Background



This preview shows how black text looks on a background with the CIELCh color 12, 24.880, 282.991.



This preview shows how white text looks on a background with the CIELCh color 12, 24.880, 282.991.

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, 24.880, 282.991

Protanopia

12, 24.880, 282.991

Deuteranopia

12, 18.891, 266.998



Tritanopia
12, 12.729, 203.160

Trichromacy



Original Color
12, 24.880, 282.991

Protanomaly
12, 24.880, 282.991

Deuteranomaly
12, 21.108, 274.845

Tritanomaly
12, 13.555, 247.063

Monochromacy



Original Color
12, 24.880, 282.991

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 9.396, 269.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 24.880, 282.991 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(7, 31, 65)` looks like.

```
.text, #text, p{  
    color:rgb(7, 31, 65)  
}
```

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(7, 31, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 31, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 24.880, 282.991 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(7, 31, 65) }
```

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

```
.border{ border-color:rgb(7, 31, 65) }
```

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

Here you see how a box with a 4 pixel rgb(7, 31, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 31, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 31, 65); box-shadow:4px  
4px 4px 4px rgb(7, 31, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 24.880, 282.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 31, 65) }
```

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

```
.background{ background-color: rgb(7, 31,  
65) }
```

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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