

Converting Colors

Hex(102D2F)

Have a look what the booklet for
Hex(102D2F) contains.

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Color

Hex(102D2F)

Conversions

Conversions Part 1

Format	Color
Hex	102D2F
RGB	16, 45, 47
RGB Percent	6%, 18%, 18%
CMY	0.9373, 0.8235, 0.8157
CMYK	0.66, 0.04, 0.00, 0.82
HSL	184°, 49%, 12%
HSV	184°, 66%, 18%
XYZ	1.6652, 2.1922, 3.0247
YIQ	36.5570, -17.9260, -5.5260

Conversions

Conversions Part 2

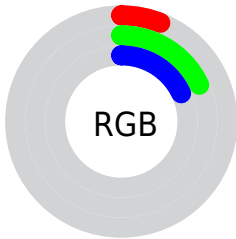
Format	Color
RYB	16, 31, 47
Decimal	1060143
CIELab	16.47, -10.08, -4.60
CIELCh	16, 11.075, 204.528
Yxy	2.1922, 0.2420, 0.3185
Android (android.graphics.Color)	4279250223 (0xFF102D2F)
YUV	36.5570, 5.1484, -18.0285
Hunter-Lab	14.8060, -5.8353, -1.7481

Details

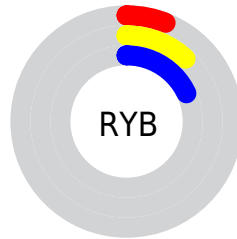
The Hex color **102D2F** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2F1210**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **3E5B5D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0B2D2F**, and if you desaturate by 10%, it is **152D2F**.

Distribution



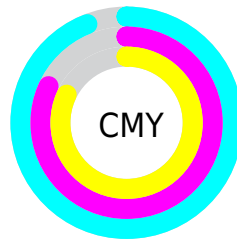
- Red (6%)
- Green (18%)
- Blue (18%)



- Red (6%)
- Yellow (12%)
- Blue (18%)



- Cyan (66%)
- Magenta (4%)
- Yellow (0%)
- Black (82%)



- Cyan (94%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 102D2F 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 Hex color 102D2F by changing the saturation by 10% instead.

■ 102D2F

■ 102D2F

■ F7FFFF

■ 00191A

■ 3E5B5D

■ 000000

■ 567375

■ 6F8D8F

■ 89A7A9

■ A3C3C5

■ BEDFE1

■ DAFBFD

■ 102D2F

■ 102D2F

■ 0B2D2F

■ 152D2F

■ 072C2F

■ 192E2F

■ 022C2F

■ 1E2E2F

■ 002C2F

■ 232E2F

■ 282F2F

■ 2C2F2F

■ 312F2F

■ 362F2F

■ 3A302F

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



162D27



102D2F



132C35

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



102D2F



312532



302819

Complementary

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



102D2F



2F1210

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36251C



102D2F



37232B

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



102D2F



282737



392323



282A1A

Rectangle

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



102D2F



192B38



392323



32271A

Sweetspot

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



102D2F



313C3D



102F12



171E1F



9E9E9E



1F1F1F

Same Dimension

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



102D2F



0D3A3D



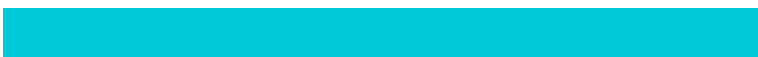
101E2F



151717



005157



00C8D6

Inverse Universe

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



2F102D



3D0D3A



2F2110



171517



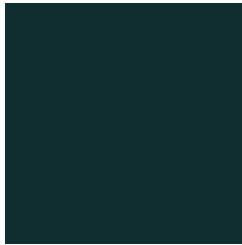
570051



D600C8

Previews

White Background



This preview shows how the Hex color 102D2F looks on a white background.

Color Contrast Check

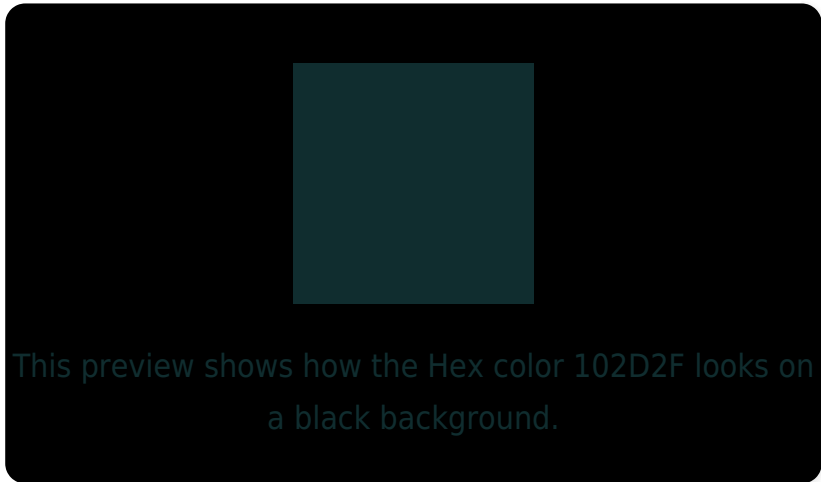
Large Text (above 18pt) WCAG AA ✓ Pass

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

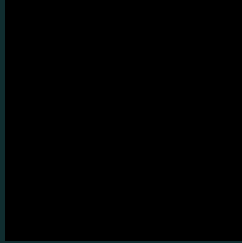
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

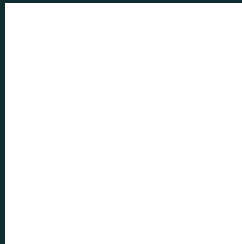
Any Text WCAG AAA × Fail

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

Hex 102D2F Background



This preview shows how black text looks on a background with the Hex color 102D2F.



This preview shows how white text looks on a background with the Hex color 102D2F.

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
102D2F

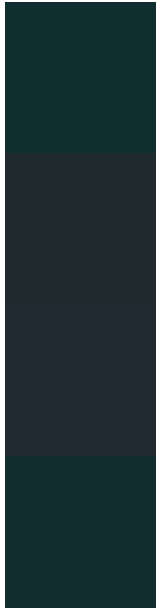
Protanopia
29292C

Deuteranopia
292830



Tritanopia
112D30

Trichromacy



Original Color
102D2F

Protanomaly
202A2D

Deuteranomaly
202A30

Tritanomaly
112D30

Monochromacy



Original Color
102D2F

Achromatopsia
252525

Achromatomaly
1D2829

CSS Examples

Text

The CSS property to change the color of the text to Hex 102D2F 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 #102D2F looks like.

```
.text, #text, p{  
  color:#102D2F  
}
```

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 #102D2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #102D2F
}
```

Border

The CSS property to change the border of an element to Hex 102D2F is called "border". The border property can be set on classes, ids or directly on the HTML element.

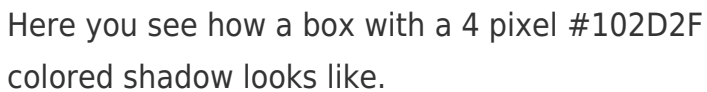
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#102D2F }
```

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

```
.border{ border-color:#102D2F }
```

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



Here you see how a box with a 4 pixel #102D2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #102D2F; -webkit-box-shadow:4px 4px  
4px 4px #102D2F; box-shadow:4px 4px 4px  
4px #102D2F }
```

Background

The CSS property to change the background color of an element to Hex 102D2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#102D2F }
```

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

```
.background{ background-color:#102D2F }
```

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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