

Converting Colors

Hex(102B21)

Have a look what the booklet for
Hex(102B21) contains.

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Color

Hex(102B21)

Conversions

Conversions Part 1

Format	Color
Hex	102B21
RGB	16, 43, 33
RGB Percent	6%, 17%, 13%
CMY	0.9373, 0.8314, 0.8706
CMYK	0.63, 0.00, 0.23, 0.83
HSL	158°, 46%, 12%
HSV	158°, 63%, 17%
XYZ	1.3521, 1.9477, 1.7435
YIQ	33.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

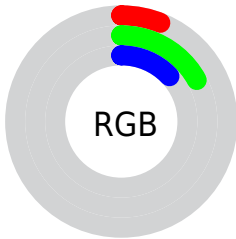
Format	Color
RYB	16, 33, 43
Decimal	1059617
CIELab	15.21, -13.38, 3.40
CIElCh	15, 13.803, 165.737
Yxy	1.9477, 0.2681, 0.3862
Android (android.graphics.Color)	4279249697 (0xFF102B21)
YUV	33.7870, -0.3880, -15.5992
Hunter-Lab	13.9561, -7.1299, 2.3622

Details

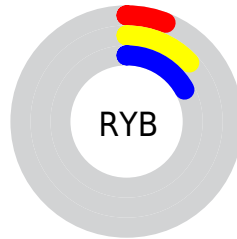
The Hex color **102B21** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2B101A**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **3C594D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0C2B1F**, and if you desaturate by 10%, it is **142B23**.

Distribution



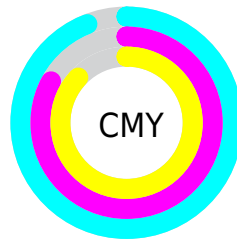
- Red (6%)
- Green (17%)
- Blue (13%)



- Red (6%)
- Yellow (13%)
- Blue (17%)



- Cyan (63%)
- Magenta (0%)
- Yellow (23%)
- Black (83%)



- Cyan (94%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 102B21 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 102B21 by changing the saturation by 10% instead.

 102B21

 102B21

 F4FFFF

 00170A

 3C594D

 000000

 547165

 6D8B7E

 86A598

 A1C0B3

 BCDCCCE

 D8F9EA

 102B21

 102B21

■ 0C2B1F

■ 142B23

■ 072B1E

■ 192B24

■ 032B1C

■ 1D2B26

■ 002B1B

■ 212B27

■ 262B29

■ 2A2B2B

■ 2E2B2C

■ 322B2E

■ 372B2F

Harmonies

Analogous

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



1C2A18



102B21



032B2B

Triad

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



102B21



202539



372119

Complementary

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



102B21



2B101A

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.



391F21



102B21



2E2234

Square

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



102B21



102839



361F2B



312413

Rectangle

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



102B21



012B31



361F2B



38201B

Sweetspot

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



102B21



2D3834



1A2B10



161C1A



9C9C9C



1C1C1C

Same Dimension

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



102B21



0E3829



10282B



121414



005435



00D485

Inverse Universe

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



2B101A



380E1E



2B1310



141213



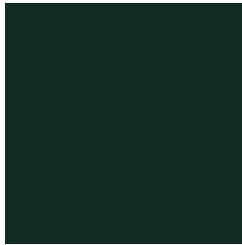
54001F



D4004E

Previews

White Background



This preview shows how the Hex color 102B21 looks on a white background.

Color Contrast Check

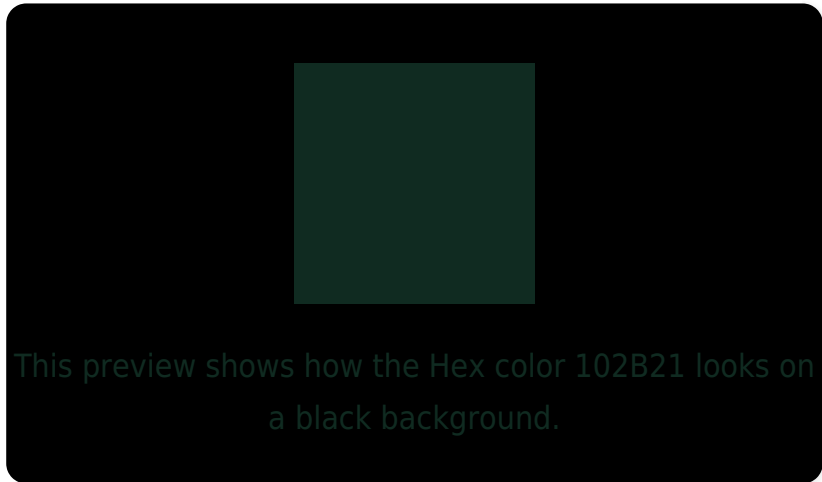
Large Text (above 18pt) WCAG AA ✓ Pass

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

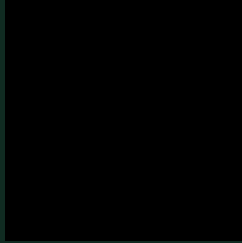
Any Text WCAG AA × Fail

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 102B21 Background



This preview shows how black text looks on a background with the Hex color 102B21.



This preview shows how white text looks on a background with the Hex color 102B21.

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
102B21

Protanopia
29261F

Deuteranopia
2B2522



Tritanopia
14292D

Trichromacy



Original Color
102B21

Protanomaly
202820

Deuteranomaly
212722

Tritanomaly
132A29

Monochromacy



Original Color
102B21

Achromatopsia
222222

Achromatomaly
1B2522

CSS Examples

Text

The CSS property to change the color of the text to Hex 102B21 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 #102B21 looks like.

```
.text, #text, p{  
    color:#102B21  
}
```

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 #102B21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #102B21
}
```

Border

The CSS property to change the border of an element to Hex 102B21 is called "border". The border property can be set on classes, ids or directly on the HTML element.

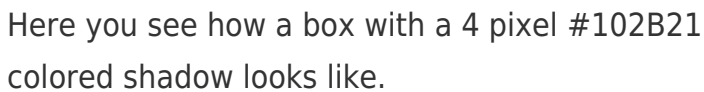
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#102B21 }
```

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

```
.border{ border-color:#102B21 }
```

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



Here you see how a box with a 4 pixel #102B21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #102B21; -webkit-box-shadow:4px 4px  
4px 4px #102B21; box-shadow:4px 4px 4px  
4px #102B21 }
```

Background

The CSS property to change the background color of an element to Hex 102B21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#102B21 }
```

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

```
.background{ background-color:#102B21 }
```

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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