

# Converting Colors

Hex(12402A)

Have a look what the booklet for  
Hex(12402A) contains.

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# Color

**Hex(12402A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12402A
RGB	18, 64, 42
RGB Percent	7%, 25%, 16%
CMY	0.9294, 0.7490, 0.8353
CMYK	0.72, 0.00, 0.34, 0.75
HSL	151°, 56%, 16%
HSV	151°, 72%, 25%
XYZ	2.5008, 3.9626, 2.8235
YIQ	47.7380, -20.3540, -16.5940

# Conversions

## Conversions Part 2

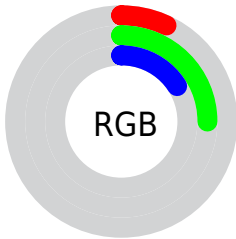
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 48, 64
Decimal	1196074
CIE <sub>Lab</sub>	23.55, -21.75, 8.99
CIE <sub>LCh</sub>	24, 23.533, 157.550
Yxy	3.9626, 0.2693, 0.4267
Android (android.graphics.Color)	4279386154 (0xFF12402A)
YUV	47.7380, -2.8288, -26.0802
Hunter-Lab	19.9062, -12.4112, 5.5245

# Details

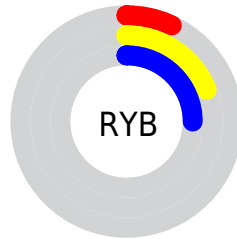
The Hex color **12402A** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **401228**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **437057**, and **001500** is the 20% darker color. If you saturate the color by 10%, you get **0C4027**, and if you desaturate by 10%, it is **18402D**.

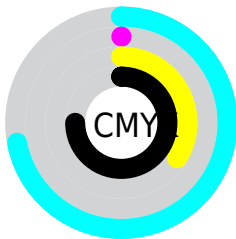
# Distribution



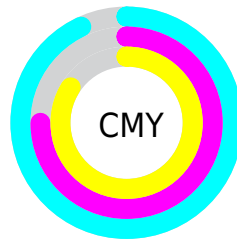
- Red (7%)
- Green (25%)
- Blue (16%)



- Red (7%)
- Yellow (19%)
- Blue (25%)



- Cyan (72%)
- Magenta (0%)
- Yellow (34%)
- Black (75%)



- Cyan (93%)
- Magenta (75%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12402A 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 12402A by changing the saturation by 10% instead.



 12402A

 12402A

FFFFFF

 002A15

 437057

 001500

 5B8A70

 000000

 75A489

 8FC0A4

 AADBBF

 C6F8DA

 E2FFF7

 12402A

 12402A

■ 0C4027

■ 18402D

■ 054024

■ 1F4030

■ 004021

■ 254033

■ 2C4036

■ 324039

■ 38403C

■ 3F403F

■ 454042

■ 4C4046

# Harmonies

## Analogous

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



2B3D1B



12402A



00413C

# Triad

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



12402A



22385B



572C24

# Complementary

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



12402A



401228

# 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.



592934



12402A



3F3254

# Square

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



12402A



003E58



512B46



4D3217

# Rectangle

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



12402A



004148



512B46



592B29



# Sweetspot

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



12402A



42544B



284012



202B26



ABABAB



2B2B2B



# Same Dimension

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



12402A



0C5432



123F40



1E2120



006133



00E075



# Inverse Universe

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



401228



540C2E



401312



211E1F



61002E

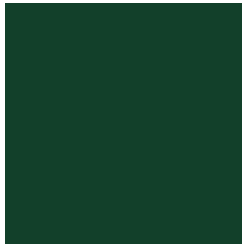


E0006B



# Previews

## White Background



This preview shows how the Hex color 12402A looks on a white background.

## Color Contrast Check

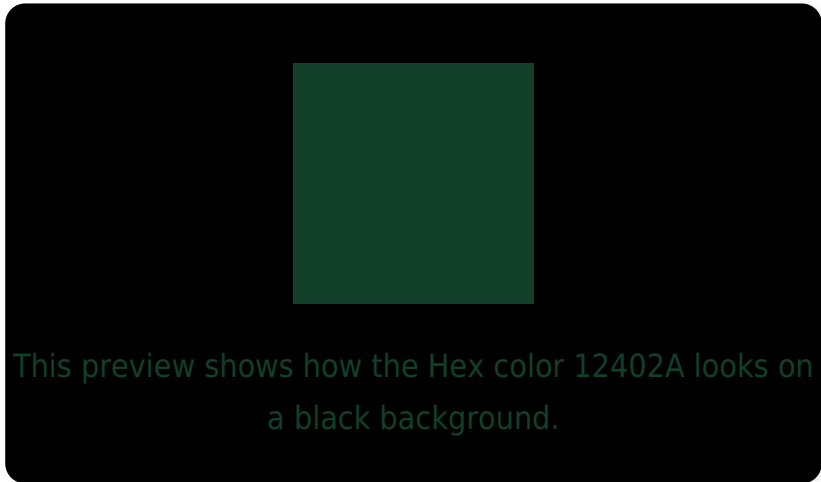
Large Text (above 18pt) WCAG AA ✓ Pass

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

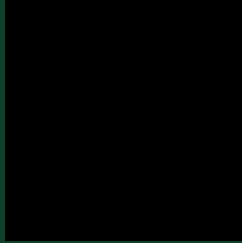
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12402A Background



This preview shows how black text looks on a background with the Hex color 12402A.



This preview shows how white text looks on a background with the Hex color 12402A.

# 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**  
12402A

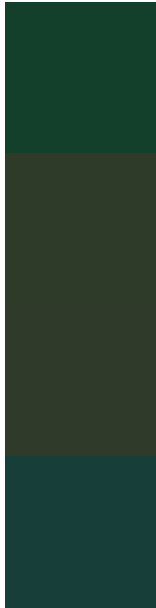
**Protanopia**  
3D3827

**Deuteranopia**  
41362C



**Tritanopia**  
1C3D42

# Trichromacy



**Original Color**  
12402A

**Protanomaly**  
2D3B28

**Deuteranomaly**  
303A2B

**Tritanomaly**  
183E39

# Monochromacy



**Original Color**  
12402A

**Achromatopsia**  
303030

**Achromatomaly**  
25362E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12402A 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 #12402A looks like.

```
.text, #text, p{  
    color:#12402A  
}
```

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 #12402A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12402A
}
```

## Border

The CSS property to change the border of an element to Hex 12402A 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
#12402A }
```

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

```
.border{ border-color:#12402A }
```

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

Here you see how a box with a 4 pixel #12402A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12402A; -webkit-box-shadow:4px 4px  
4px 4px #12402A; box-shadow:4px 4px 4px  
4px #12402A }
```

# Background

The CSS property to change the background color of an element to Hex 12402A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12402A }
```

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

```
.background{ background-color:#12402A }
```

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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