

Converting Colors

Hex(00462A)

Have a look what the booklet for
Hex(00462A) contains.

Hex(00462A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00462A)

Conversions

Conversions Part 1

Format	Color
Hex	00462A
RGB	0, 70, 42
RGB Percent	0%, 27%, 16%
CMY	1.0000, 0.7255, 0.8353
CMYK	1.00, 0.00, 0.40, 0.73
HSL	156°, 100%, 14%
HSV	156°, 100%, 27%
XYZ	2.6081, 4.5475, 2.9308
YIQ	45.8780, -32.7320, -23.5480

Conversions

Conversions Part 2

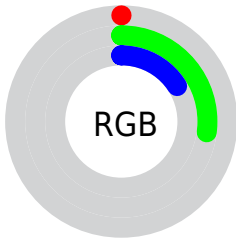
Format	Color
RYB	0, 44, 70
Decimal	17962
CIELab	25.40, -27.66, 11.45
CIELCh	25, 29.934, 157.513
Yxy	4.5475, 0.2586, 0.4509
Android (android.graphics.Color)	4278208042 (0xFF00462A)
YUV	45.8780, -1.9119, -40.2350
Hunter-Lab	21.3248, -15.4875, 6.7789

Details

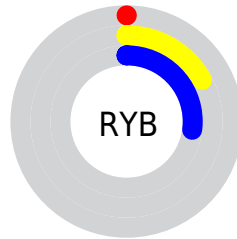
The Hex color **00462A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **46001C**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **3A7758**, and **001B00** is the 20% darker color. If you saturate the color by 10%, you get **00462A**, and if you desaturate by 10%, it is **07462D**.

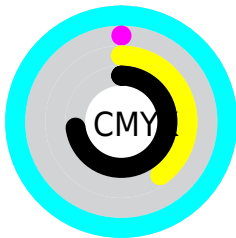
Distribution



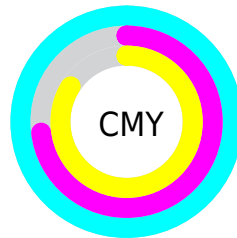
- Red (0%)
- Green (27%)
- Blue (16%)



- Red (0%)
- Yellow (17%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (73%)



- Cyan (100%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00462A 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 00462A by changing the saturation by 10% instead.

 00462A

 00462A

 F8FFFF

 002F15

 3A7758

 001B00

 549170

 000000

 6EAC89

 88C7A4

 A3E4BF

 BFFFDB

 DCFFF7

 00462A

■ 07462D

■ 0E4630

■ 154632

■ 1C4635

■ 234638

■ 2A463B

■ 31463E

■ 384640

■ 3F4643

Harmonies

Analogous

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



2B4316



00462A



004741

Triad

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



00462A



193D69



632C22

Complementary

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



00462A



46001C

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.



652737



00462A



453460

Square

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



00462A



004366



5C2B4E



563511

Rectangle

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



00462A



004750



5C2B4E



652A29

Sweetspot

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



00462A



405C51



1C4600



1D2E27



ADADAD



2E2E2E

Same Dimension

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



00462A



005C37



003F46



202422



00633C



00E388

Inverse Universe

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



46001C



5C0025



460700



242022



630028



E3005B

Previews

White Background



This preview shows how the Hex color 00462A looks on a white background.

Color Contrast Check

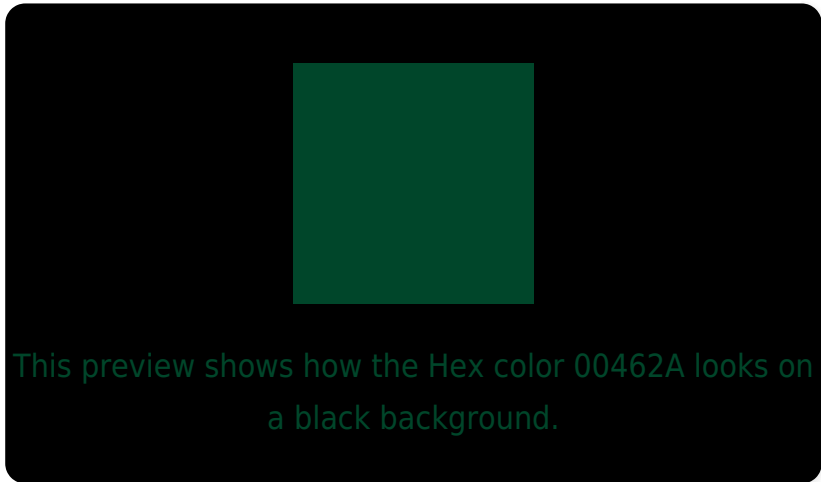
Large Text (above 18pt) WCAG AA ✓ Pass

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

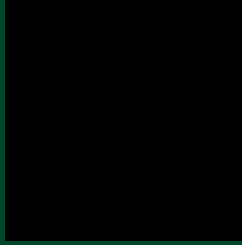
Any Text WCAG AA × Fail

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 00462A Background



This preview shows how black text looks on a background with the Hex color 00462A.



This preview shows how white text looks on a background with the Hex color 00462A.

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](#).

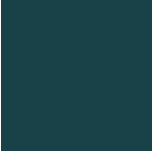
Dichromacy



Original Color
00462A

Protanopia
423D26

Deuteranopia
483A2D



Tritanopia
194248

Trichromacy



Original Color
00462A

Protanomaly
2A4027

Deuteranomaly
2E3E2C

Tritanomaly
10433D

Monochromacy



Original Color
00462A

Achromatopsia
2E2E2E

Achromatomaly
1D372D

CSS Examples

Text

The CSS property to change the color of the text to Hex 00462A 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 #00462A looks like.

```
.text, #text, p{  
    color:#00462A  
}
```

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 #00462A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00462A
}
```

Border

The CSS property to change the border of an element to Hex 00462A 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
#00462A }
```

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

```
.border{ border-color:#00462A }
```

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

Here you see how a box with a 4 pixel #00462A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00462A; -webkit-box-shadow:4px 4px  
4px 4px #00462A; box-shadow:4px 4px 4px  
4px #00462A }
```

Background

The CSS property to change the background color of an element to Hex 00462A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00462A }
```

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

```
.background{ background-color:#00462A }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor