

Converting Colors

Hex(02452A)

Have a look what the booklet for
Hex(02452A) contains.

Hex(02452A)	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(02452A)

Conversions

Conversions Part 1

Format	Color
Hex	02452A
RGB	2, 69, 42
RGB Percent	1%, 27%, 16%
CMY	0.9922, 0.7294, 0.8353
CMYK	0.97, 0.00, 0.39, 0.73
HSL	156°, 94%, 14%
HSV	156°, 97%, 27%
XYZ	2.5711, 4.4363, 2.9113
YIQ	45.8890, -31.2650, -22.6010

Conversions

Conversions Part 2

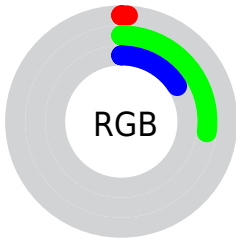
Format	Color
RYB	2, 44, 69
Decimal	148778
CIELab	25.06, -26.91, 11.00
CIELCh	25, 29.068, 157.773
Yxy	4.4363, 0.2592, 0.4473
Android (android.graphics.Color)	4278338858 (0xFF02452A)
YUV	45.8890, -1.9173, -38.4907
Hunter-Lab	21.0626, -15.0703, 6.5487

Details

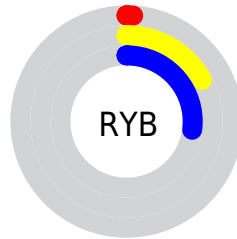
The Hex color **02452A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **45021D**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **3B7657**, and **001A00** is the 20% darker color. If you saturate the color by 10%, you get **004529**, and if you desaturate by 10%, it is **09452D**.

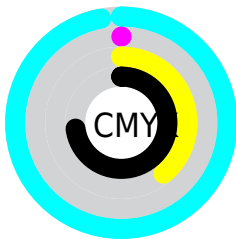
Distribution



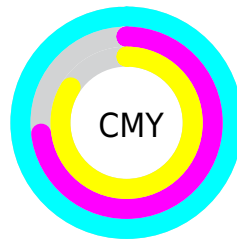
- Red (1%)
- Green (27%)
- Blue (16%)



- Red (1%)
- Yellow (17%)
- Blue (27%)



- Cyan (97%)
- Magenta (0%)
- Yellow (39%)
- Black (73%)



- Cyan (99%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02452A 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 02452A by changing the saturation by 10% instead.

 02452A

 02452A

 F9FFFF

 002E15

 3B7657

 001A00

 559070

 000000

 6EAB89

 89C6A4

 A4E2BF

 C0FFDB

 DCFFF7

 02452A

 02452A

■ 004529

■ 09452D

■ 104530

■ 174532

■ 1E4535

■ 254538

■ 2B453B

■ 32453D

■ 394540

■ 404543

Harmonies

Analogous

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



2B4217



02452A



004641

Triad

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



02452A



1B3C67



612C22

Complementary

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



02452A



45021D

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.



642737



02452A



44335E

Square

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



02452A



004264



5B2B4D



553412

Rectangle

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



02452A



00464F



5B2B4D



632A28

Sweetspot

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



02452A



3F594F



1E4502



1E2E27



ADADAD



2E2E2E

Same Dimension

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



02452A



005935



023F45



202422



00633B



00E387

Inverse Universe

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



45021D



590024



450802



242022



630028



E3005B

Previews

White Background



This preview shows how the Hex color 02452A looks on a white background.

Color Contrast Check

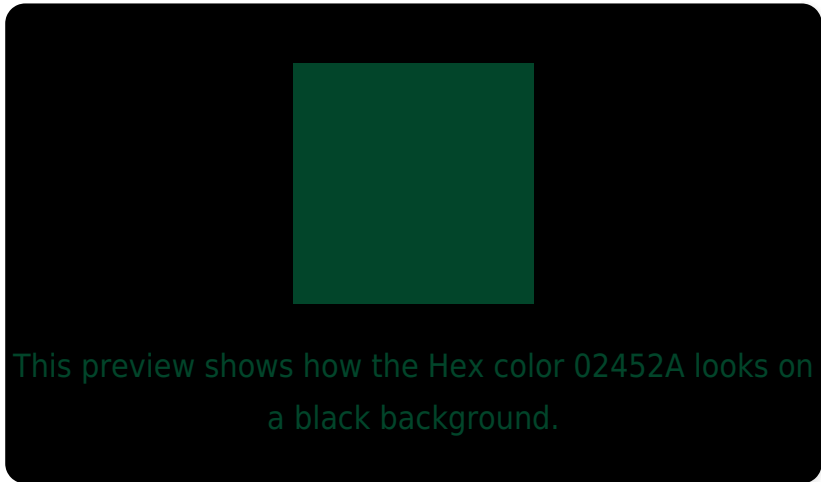
Large Text (above 18pt) WCAG AA ✓ Pass

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

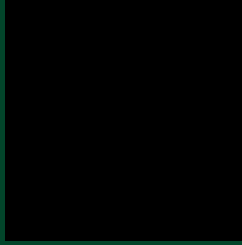
Any Text WCAG AA × Fail

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 02452A Background



This preview shows how black text looks on a background with the Hex color 02452A.



This preview shows how white text looks on a background with the Hex color 02452A.

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
02452A

Protanopia
413C26

Deuteranopia
47392D



Tritanopia
194247

Trichromacy



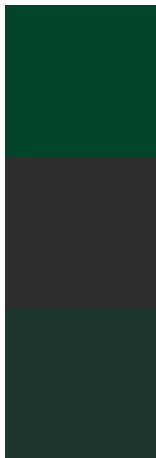
Original Color
02452A

Protanomaly
2A3F27

Deuteranomaly
2E3D2C

Tritanomaly
11433C

Monochromacy



Original Color
02452A

Achromatopsia
2E2E2E

Achromatomaly
1E362D

CSS Examples

Text

The CSS property to change the color of the text to Hex 02452A 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 #02452A looks like.

```
.text, #text, p{  
    color:#02452A  
}
```

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 #02452A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02452A
}
```

Border

The CSS property to change the border of an element to Hex 02452A 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
#02452A }
```

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

```
.border{ border-color:#02452A }
```

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

Here you see how a box with a 4 pixel #02452A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02452A; -webkit-box-shadow:4px 4px  
4px 4px #02452A; box-shadow:4px 4px 4px  
4px #02452A }
```

Background

The CSS property to change the background color of an element to Hex 02452A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02452A }
```

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

```
.background{ background-color:#02452A }
```

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