

Converting Colors

Hex(00642E)

Have a look what the booklet for
Hex(00642E) contains.

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Color

Hex(00642E)

Conversions

Conversions Part 1

Format	Color
Hex	00642E
RGB	0, 100, 46
RGB Percent	0%, 39%, 18%
CMY	1.0000, 0.6078, 0.8196
CMYK	1.00, 0.00, 0.54, 0.61
HSL	148°, 100%, 20%
HSV	148°, 100%, 39%
XYZ	5.0503, 9.3116, 4.1159
YIQ	63.9440, -42.2660, -37.9940

Conversions

Conversions Part 2

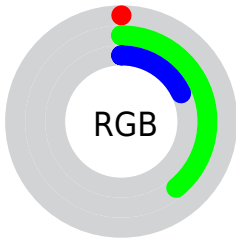
Format	Color
RYB	0, 68, 100
Decimal	25646
CIELab	36.58, -38.65, 23.53
CIELCh	37, 45.251, 148.671
Yxy	9.3116, 0.2733, 0.5039
Android (android.graphics.Color)	4278215726 (0xFF00642E)
YUV	63.9440, -8.8464, -56.0789
Hunter-Lab	30.5149, -23.8588, 13.3633

Details

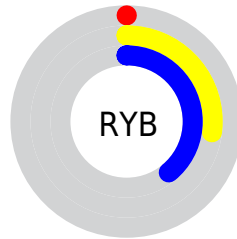
The Hex color **00642E** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **640036**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **45985D**, and **003400** is the 20% darker color. If you saturate the color by 10%, you get **00642E**, and if you desaturate by 10%, it is **0A6433**.

Distribution



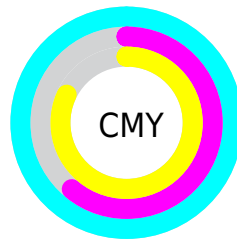
- Red (0%)
- Green (39%)
- Blue (18%)



- Red (0%)
- Yellow (27%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (61%)



- Cyan (100%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00642E 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 00642E by changing the saturation by 10% instead.

 00642E

 00642E

FFFFFF

 004B18

 45985D

 003400

 61B376

 001F00

 7CCF90

 000000

 97EBAB

 B3FFC6

 D0FFE2

 EDFFFF

 00642E

 0A6433

 146439

 1E643E

 286444

 326449

 3C644E

 466454

 506459

 5A645F

Harmonies

Analogous

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



455E0C



00642E



006753

Triad

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



00642E



005B9F



953635

Complementary

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



00642E



640036

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.



953159



00642E



524D96

Square

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



00642E



006394



803C7C



854516

Rectangle

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



00642E



00676C



803C7C



973341

Sweetspot

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



00642E



5B826D



376400



2A4235



C2C2C2



424242

Same Dimension

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



00642E



00823C



00645F



2E3330



007335



00F26F

Inverse Universe

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



640036



820046



640005



332E31



73003E



F20083

Previews

White Background



This preview shows how the Hex color 00642E looks on a white background.

Color Contrast Check

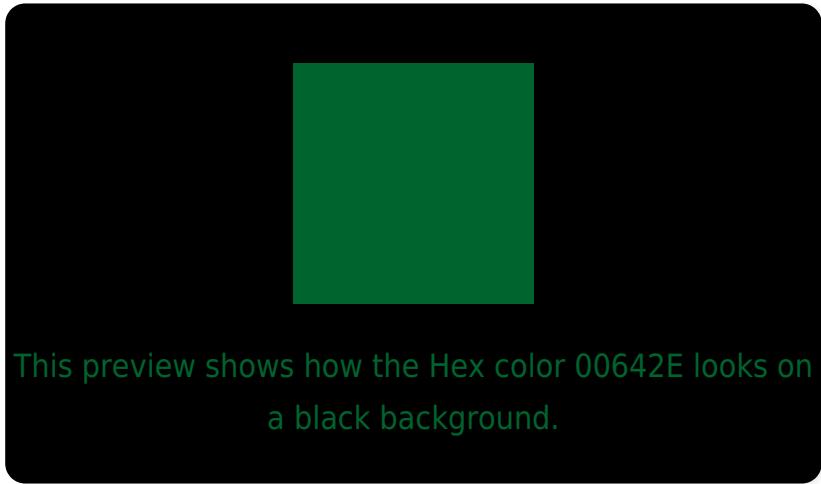
Large Text (above 18pt) WCAG AA ✓ Pass

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 00642E Background



This preview shows how black text looks on a background with the Hex color 00642E.



This preview shows how white text looks on a background with the Hex color 00642E.

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
00642E

Protanopia
5F5629

Deuteranopia
695233



Tritanopia
275E66

Trichromacy



Original Color
00642E

Protanomaly
3C5B2B

Deuteranomaly
435931

Tritanomaly
196052

Monochromacy



Original Color
00642E

Achromatopsia
404040

Achromatomaly
294D39

CSS Examples

Text

The CSS property to change the color of the text to Hex 00642E 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 #00642E looks like.

```
.text, #text, p{  
    color:#00642E  
}
```

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 #00642E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00642E
}
```

Border

The CSS property to change the border of an element to Hex 00642E 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".

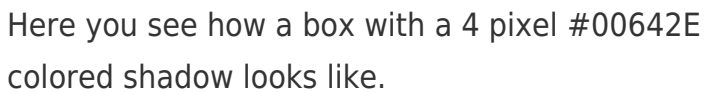
```
.border, #border, table{ border:4px solid
#00642E }
```

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

```
.border{ border-color:#00642E }
```

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

Here you see how a box with a 4 pixel #00642E colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00642E; -webkit-box-shadow:4px 4px  
4px 4px #00642E; box-shadow:4px 4px 4px  
4px #00642E }
```

Background

The CSS property to change the background color of an element to Hex 00642E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00642E }
```

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

```
.background{ background-color:#00642E }
```

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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