

# Converting Colors

Hex(005D40)

Have a look what the booklet for  
Hex(005D40) contains.

|  |    |
|--|----|
| <b>Hex(005D40)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

**Hex(005D40)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 005D40                      |
| RGB         | 0, 93, 64                   |
| RGB Percent | 0%, 36%, 25%                |
| CMY         | 1.0000, 0.6353, 0.7490      |
| CMYK        | 1.00, 0.00, 0.31, 0.64      |
| HSL         | 161°, 100%, 18%             |
| HSV         | 161°, 100%, 36%             |
| XYZ         | 4.8398, 8.1989, 6.1779      |
| YIQ         | 61.8870, -46.1190, -28.7350 |

# Conversions

## Conversions Part 2

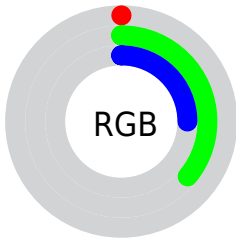
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 0, 55, 93                    |
| Decimal                             | 23872                        |
| CIELab                              | 34.39, -31.89, 10.03         |
| CIELCh                              | 34, 33.431, 162.536          |
| Yxy                                 | 8.1989, 0.2519,<br>0.4267    |
| Android<br>(android.graphics.Color) | 4278213952<br>(0xFF005D40)   |
| YUV                                 | 61.8870, 1.0417,<br>-54.2749 |
| Hunter-Lab                          | 28.6337, -19.9382,<br>7.2513 |

# Details

The Hex color **005D40** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5D001D**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **439070**, and **002E15** is the 20% darker color. If you saturate the color by 10%, you get **005D40**, and if you desaturate by 10%, it is **095D43**.

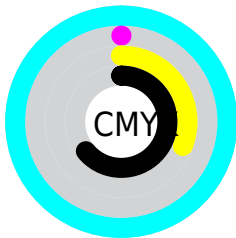
# Distribution



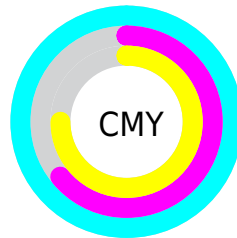
- Red (0%)
- Green (36%)
- Blue (25%)



- Red (0%)
- Yellow (22%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (64%)



- Cyan (100%)
- Magenta (64%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005D40 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 005D40 by changing the saturation by 10% instead.



 005D40

 005D40

FFFFFF

 00452A

 439070

 002E15

 5EAB89

 001800

 79C6A4

 000000

 94E3BF

 B0FFDA

 CCFFF7

 E9FFFF

 005D40

■ 095D43

■ 135D46

■ 1C5D49

■ 255D4C

■ 2F5D4F

■ 385D51

■ 415D54

■ 4A5D57

■ 545D5A

# Harmonies

## Analogous

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



385928



005D40



005E5C

# Triad

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



005D40



365085



7D402E

# Complementary

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



005D40



5D001D

# 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.



823A47



005D40



614578

# Square

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



005D40



005883



7A3C61



6D4A1D

# Rectangle

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



005D40



005D6D



7A3C61



803D36



# Sweetspot

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



005D40



54786D



1D5D00



273D36



BDBDBD



3D3D3D



# Same Dimension

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



005D40



007852



004C5D



292E2C



006E4B



00EDA3



# Inverse Universe

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



5D001D



780025



5D1100



2E292B



6E0022



ED004A



# Previews

## White Background



This preview shows how the Hex color 005D40 looks on a white background.

## Color Contrast Check

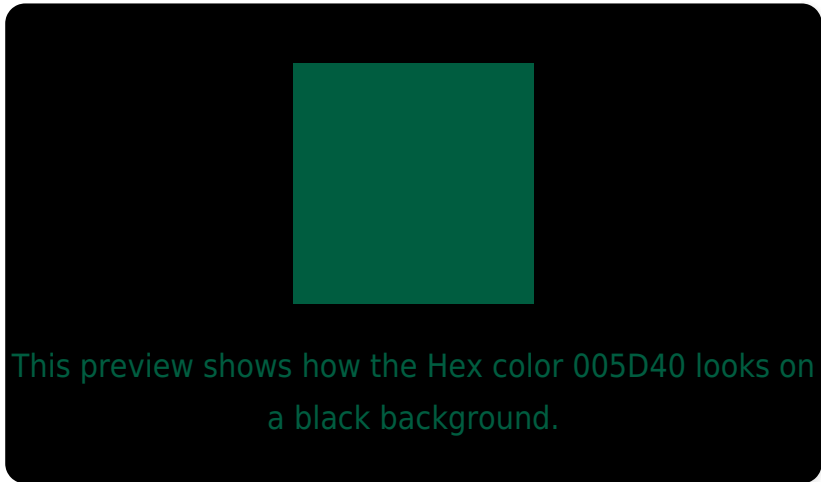
Large Text (above 18pt) WCAG AA ✓ Pass

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

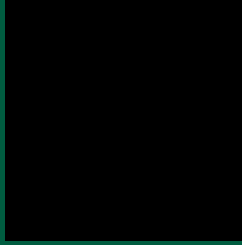
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005D40 Background



This preview shows how black text looks on a background with the Hex color 005D40.



This preview shows how white text looks on a background with the Hex color 005D40.

# 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**  
005D40

**Protanopia**  
57513B

**Deuteranopia**  
5E4E43



**Tritanopia**  
205960

# Trichromacy



**Original Color**  
005D40

**Protanomaly**  
37553D

**Deuteranomaly**  
3C5342

**Tritanomaly**  
145A54

# Monochromacy



**Original Color**  
005D40

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
27493F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005D40 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 #005D40 looks like.

```
.text, #text, p{  
    color:#005D40  
}
```

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 #005D40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005D40
}
```

## Border

The CSS property to change the border of an element to Hex 005D40 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
#005D40 }
```

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

```
.border{ border-color:#005D40 }
```

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

Here you see how a box with a 4 pixel #005D40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005D40; -webkit-box-shadow:4px 4px  
4px 4px #005D40; box-shadow:4px 4px 4px  
4px #005D40 }
```

# Background

The CSS property to change the background color of an element to Hex 005D40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005D40 }
```

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

```
.background{ background-color:#005D40 }
```

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