

# Converting Colors

Hex(005E23)

Have a look what the booklet for  
Hex(005E23) contains.

<b>Hex(005E23)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(005E23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005E23
RGB	0, 94, 35
RGB Percent	0%, 37%, 14%
CMY	1.0000, 0.6314, 0.8627
CMYK	1.00, 0.00, 0.63, 0.63
HSL	142°, 100%, 18%
HSV	142°, 100%, 37%
XYZ	4.3061, 8.1268, 2.9318
YIQ	59.1680, -37.0850, -38.2770

# Conversions

## Conversions Part 2

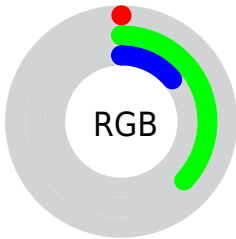
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 68, 94</a>
Decimal	<a href="#">24099</a>
CIELab	<a href="#">34.25, -38.33, 26.69</a>
CIELCh	<a href="#">34, 46.704, 145.155</a>
Yxy	<a href="#">8.1268, 0.2803, 0.5289</a>
Android (android.graphics.Color)	<a href="#">4278214179 (0xFF005E23)</a>
YUV	<a href="#">59.1680, -11.9148, -51.8903</a>
Hunter-Lab	<a href="#">28.5075, -22.9255, 13.8577</a>

# Details

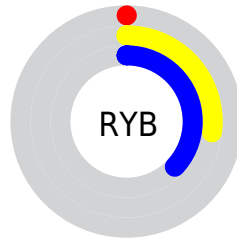
The Hex color **005E23** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5E003B**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **449152**, and **002E00** is the 20% darker color. If you saturate the color by 10%, you get **005E23**, and if you desaturate by 10%, it is **095E29**.

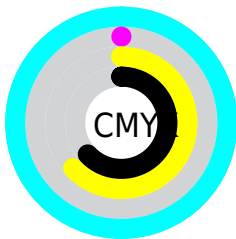
# Distribution



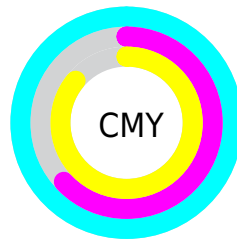
- Red (0%)
- Green (37%)
- Blue (14%)



- Red (0%)
- Yellow (27%)
- Blue (37%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (63%)



- Cyan (100%)
- Magenta (63%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005E23 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 005E23 by changing the saturation by 10% instead.



 005E23

 005E23

FFFFFF

 00460C

 449152

 002E00

 5FAC6A

 001700

 7AC884

 000000

 95E49E

 B1FFB9

 CDFFD5

 EAFF2

 005E23

■ 095E29

■ 135E2F

■ 1C5E35

■ 265E3B

■ 2F5E41

■ 385E46

■ 425E4C

■ 4B5E52

■ 555E58

# Harmonies

## Analogous

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



435800



005E23



006149

# Triad

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



005E23



00579B



912D33

# Complementary

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



005E23



5E003B

# 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.



8F2958



005E23



434994

# Square

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



005E23



005E8D



77377B



823D11

# Rectangle

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



005E23



006163



77377B



922A3F



# Sweetspot

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



005E23



567A63



3C5E00



273D2F



BDBDBD



3D3D3D



# Same Dimension

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



005E23



007A2E



005E51



292E2B



006E29



00ED58



# Inverse Universe

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



5E003B



7A004D



5E000D



2E292C



6E0045



ED0095



# Previews

## White Background



This preview shows how the Hex color 005E23 looks on a white background.

## Color Contrast Check

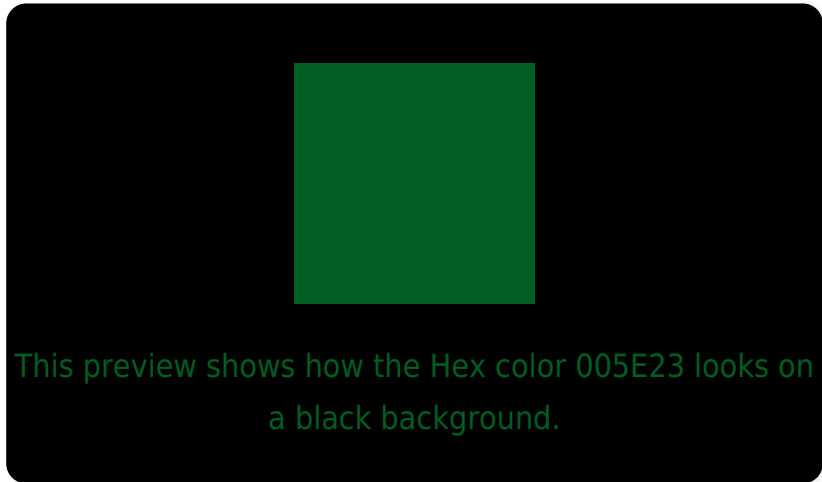
Large Text (above 18pt) WCAG AA ✓ Pass

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

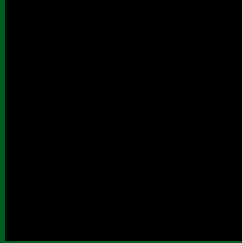
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005E23 Background



This preview shows how black text looks on a background with the Hex color 005E23.



This preview shows how white text looks on a background with the Hex color 005E23.

# 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](#).

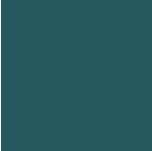
## Dichromacy



**Original Color**  
005E23

**Protanopia**  
5A511F

**Deuteranopia**  
634D28



**Tritanopia**  
26585F

# Trichromacy



**Original Color**  
005E23



**Protanomaly**  
395620



**Deuteranomaly**  
3F5326

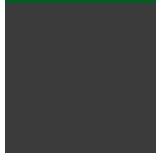


**Tritanomaly**  
185A49

# Monochromacy



**Original Color**  
005E23



**Achromatopsia**  
3B3B3B



**Achromatomaly**  
264832

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005E23 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 #005E23 looks like.

```
.text, #text, p{  
    color:#005E23  
}
```

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 #005E23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005E23
}
```

## Border

The CSS property to change the border of an element to Hex 005E23 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
#005E23 }
```

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

```
.border{ border-color:#005E23 }
```

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

Here you see how a box with a 4 pixel #005E23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005E23; -webkit-box-shadow:4px 4px  
4px 4px #005E23; box-shadow:4px 4px 4px  
4px #005E23 }
```

# Background

The CSS property to change the background color of an element to Hex 005E23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005E23 }
```

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

```
.background{ background-color:#005E23 }
```

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