

Converting Colors

Hex(005230)

Have a look what the booklet for
Hex(005230) contains.

Hex(005230)	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(005230)

Conversions

Conversions Part 1

Format	Color
Hex	005230
RGB	0, 82, 48
RGB Percent	0%, 32%, 19%
CMY	1.0000, 0.6784, 0.8118
CMYK	1.00, 0.00, 0.41, 0.68
HSL	155°, 100%, 16%
HSV	155°, 100%, 32%
XYZ	3.5508, 6.2480, 3.8151
YIQ	53.6060, -37.9580, -27.9580

Conversions

Conversions Part 2

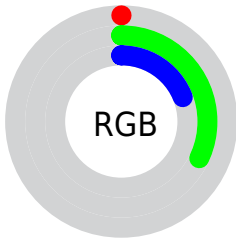
Format	Color
RYB	0, 52, 82
Decimal	21040
CIELab	30.03, -31.26, 13.92
CIELCh	30, 34.215, 156.001
Yxy	6.2480, 0.2608, 0.4589
Android (android.graphics.Color)	4278211120 (0xFF005230)
YUV	53.6060, -2.7638, -47.0125
Hunter-Lab	24.9960, -18.3862, 8.4477

Details

The Hex color **005230** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **520022**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **3F845E**, and **002501** is the 20% darker color. If you saturate the color by 10%, you get **005230**, and if you desaturate by 10%, it is **085233**.

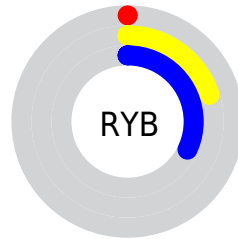
Distribution



Red (0%)

Green (32%)

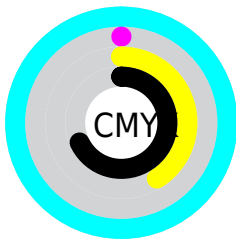
Blue (19%)



Red (0%)

Yellow (20%)

Blue (32%)

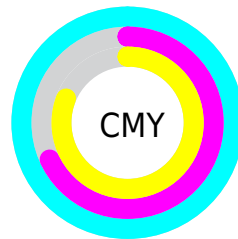


Cyan (100%)

Magenta (0%)

Yellow (41%)

Black (68%)



Cyan (100%)

Magenta (68%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 005230 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 005230 by changing the saturation by 10% instead.

 005230

 005230

FFFFFF

 003A1B

 3F845E

 002501

 599F77

 000000

 73BA91

 8ED6AB

 AAF2C7

 C6FFE3

 E3FFFF

 005230

■ 085233

■ 105237

■ 19523A

■ 21523E

■ 295241

■ 315244

■ 395248

■ 42524B

■ 4A524F

Harmonies

Analogous

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



344E19



005230



00544B

Triad

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



005230



16487C



743329

Complementary

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



005230



520022

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.



772E42



005230



4F3D72

Square

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



005230



004F77



6B335D



663D15

Rectangle

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



005230



00535D



6B335D



763031

Sweetspot

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



005230



4B6B5E



225200



22362E



B5B5B5



363636

Same Dimension

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



005230



006B3F



004B52



252927



00693D



00E888

Inverse Universe

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



520022



6B002C



520700



292526



69002B



E80060

Previews

White Background



This preview shows how the Hex color 005230 looks on a white background.

Color Contrast Check

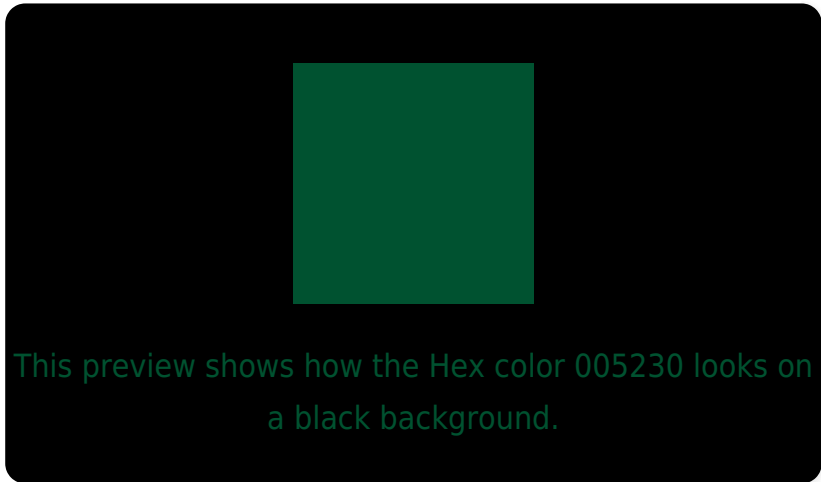
Large Text (above 18pt) WCAG AA ✓ Pass

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

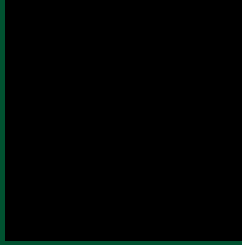
Any Text WCAG AA × Fail

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 005230 Background



This preview shows how black text looks on a background with the Hex color 005230.



This preview shows how white text looks on a background with the Hex color 005230.

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](#).

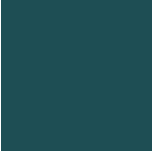
Dichromacy



Original Color
005230

Protanopia
4D472C

Deuteranopia
544433



Tritanopia
1E4E54

Trichromacy



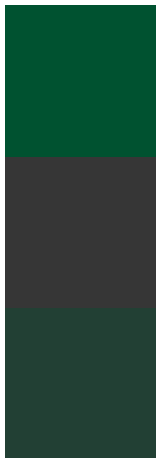
Original Color
005230

Protanomaly
314B2D

Deuteranomaly
354932

Tritanomaly
134F47

Monochromacy



Original Color
005230

Achromatopsia
363636

Achromatomaly
224034

CSS Examples

Text

The CSS property to change the color of the text to Hex 005230 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 #005230 looks like.

```
.text, #text, p{  
    color:#005230  
}
```

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 #005230 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005230
}
```

Border

The CSS property to change the border of an element to Hex 005230 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
#005230 }
```

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

```
.border{ border-color:#005230 }
```

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

Here you see how a box with a 4 pixel #005230 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005230; -webkit-box-shadow:4px 4px  
4px 4px #005230; box-shadow:4px 4px 4px  
4px #005230 }
```

Background

The CSS property to change the background color of an element to Hex 005230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005230 }
```

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

```
.background{ background-color:#005230 }
```

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