

# Converting Colors

Hex(2E5233)

Have a look what the booklet for  
Hex(2E5233) contains.

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# Color

**Hex(2E5233)**

# Conversions

Conversions Part 1	
Format	Color
Hex	2E5233
RGB	46, 82, 51
RGB Percent	18%, 32%, 20%
CMY	0.8196, 0.6784, 0.8000
CMYK	0.44, 0.00, 0.38, 0.68
HSL	128°, 28%, 25%
HSV	128°, 44%, 32%
XYZ	4.7415, 6.8544, 4.2051
YIQ	67.7020, -11.5050, -17.2730

# Conversions

## Conversions Part 2

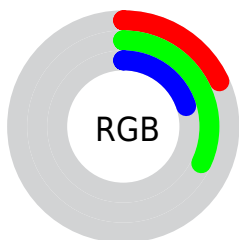
Format	Color
<a href="#">RYB</a>	<a href="#">46, 78, 82</a>
Decimal	<a href="#">3035699</a>
CIELab	<a href="#">31.47, -20.56, 14.25</a>
CIELCh	<a href="#">31, 25.017, 145.285</a>
Yxy	<a href="#">6.8544, 0.3001, 0.4338</a>
Android (android.graphics.Color)	<a href="#">4281225779</a> (0xFF2E5233)
YUV	<a href="#">67.7020, -8.2341, -19.0327</a>
Hunter-Lab	<a href="#">26.1810, -13.4892, 8.8037</a>

# Details

The Hex color **2E5233** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **522E4D**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **5E8462**, and **022506** is the 20% darker color. If you saturate the color by 10%, you get **26522C**, and if you desaturate by 10%, it is **36523A**.

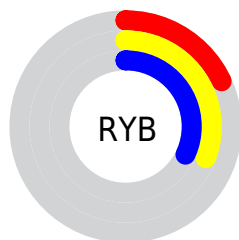
# Distribution



Red (18%)

Green (32%)

Blue (20%)



Red (18%)

Yellow (31%)

Blue (32%)

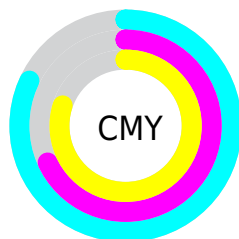


Cyan (44%)

Magenta (0%)

Yellow (38%)

Black (68%)



Cyan (82%)

Magenta (68%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E5233 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 2E5233 by changing the saturation by 10% instead.



 2E5233

 2E5233

FFFFFF

 173B1E

 5E8462

 022506

 779E7B

 000A00

 91B994

 000000

 ACD5AF

 C8F1CB

 E4FFE7

 2E5233

 2E5233

 26522C

 36523A

 1E5225 3E5241 15521E 475248 0D5217 4F524F 055210 575256 00520B 5F525D 675264 70526B 785273

# Harmonies

## Analogous

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



454E26



2E5233



0A5446

# Triad

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



2E5233



234D71



6F3B3A

# Complementary

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



2E5233



522E4D

# 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.



6D3A4E



2E5233



47466D

# Square

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



2E5233



00526A



603F61



68412A

# Rectangle

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



2E5233



005454



603F61



703A41



# Sweetspot

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



2E5233



5D6B5F



4D522E



2D362E



B5B5B5



363636



# Same Dimension

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



2E5233



326B3A



2E5245



252925



00690F



00E820



# Inverse Universe

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



522E4D



6B3263



522E3B



292528



69005A



E800C8



# Previews

## White Background



This preview shows how the Hex color 2E5233 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



This preview shows how the Hex color 2E5233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

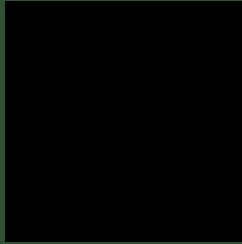
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E5233 Background



This preview shows how black text looks on a background with the Hex color 2E5233.



This preview shows how white text looks on a background with the Hex color 2E5233.

# 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**  
2E5233

**Protanopia**  
504A30

**Deuteranopia**  
574736



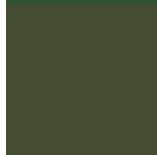
**Tritanopia**  
354E54

# Trichromacy



**Original Color**

2E5233



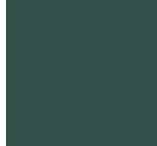
**Protanomaly**

444D31



**Deuteranomaly**

484B35



**Tritanomaly**

324F48

# Monochromacy



**Original Color**

2E5233



**Achromatopsia**

444444



**Achromatomaly**

3C493E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E5233 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 #2E5233 looks like.

```
.text, #text, p{  
    color:#2E5233  
}
```

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 #2E5233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E5233
}
```

## Border

The CSS property to change the border of an element to Hex 2E5233 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
#2E5233 }
```

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

```
.border{ border-color:#2E5233 }
```

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

Here you see how a box with a 4 pixel #2E5233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E5233; -webkit-box-shadow:4px 4px  
4px 4px #2E5233; box-shadow:4px 4px 4px  
4px #2E5233 }
```

# Background

The CSS property to change the background color of an element to Hex 2E5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E5233 }
```

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

```
.background{ background-color:#2E5233 }
```

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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