

# Converting Colors

Hex(2E5035)

Have a look what the booklet for  
Hex(2E5035) contains.

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**Color**

**Hex(2E5035)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E5035
RGB	46, 80, 53
RGB Percent	18%, 31%, 21%
CMY	0.8196, 0.6863, 0.7922
CMYK	0.42, 0.00, 0.34, 0.69
HSL	132°, 27%, 25%
HSV	132°, 42%, 31%
XYZ	4.6380, 6.5752, 4.3929
YIQ	66.7560, -11.5970, -15.6050

# Conversions

## Conversions Part 2

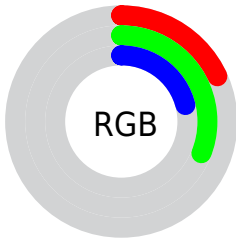
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 74, 80
Decimal	3035189
CIE <sub>Lab</sub>	30.82, -19.10, 12.13
CIE <sub>LCh</sub>	31, 22.623, 147.580
Yxy	6.5752, 0.2972, 0.4213
Android (android.graphics.Color)	4281225269 (0xFF2E5035)
YUV	66.7560, -6.7817, -18.2030
Hunter-Lab	25.6422, -12.5879, 7.7923

# Details

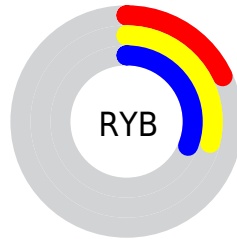
The Hex color **2E5035** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **502E49**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **5E8264**, and **022309** is the 20% darker color. If you saturate the color by 10%, you get **26502F**, and if you desaturate by 10%, it is **36503B**.

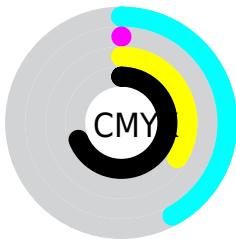
# Distribution



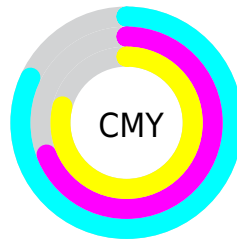
- Red (18%)
- Green (31%)
- Blue (21%)



- Red (18%)
- Yellow (29%)
- Blue (31%)



- Cyan (42%)
- Magenta (0%)
- Yellow (34%)
- Black (69%)



- Cyan (82%)
- Magenta (69%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E5035 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 2E5035 by changing the saturation by 10% instead.



 2E5035

 2E5035

FFFFFF

 173920

 5E8264

 022309

 779C7D

 000600

 91B797

 000000

 ACD2B1

 C7EFCD

 E3FFE9

 2E5035

 2E5035

 26502F

 36503B

■ 1E5028

■ 3E5042

■ 165022

■ 465048

■ 0E501C

■ 4E504E

■ 065015

■ 565055

■ 005010

■ 5E505B

■ 665061

■ 6E5068

■ 76506E

# Harmonies

## Analogous

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



434C28



2E5035



135246

# Triad

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



2E5035



2B4B6C



6A3C39

# Complementary

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



2E5035



502E49

# 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.



693B4B



2E5035



484468

# Square

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



2E5035



004F66



5D3E5C



63412B

# Rectangle

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



2E5035



005253



5D3E5C



6B3B3F



# Sweetspot

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



2E5035



5B695E



49502E



2D362F



B5B5B5



363636



# Same Dimension

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



2E5035



33693E



2E5046



252926



006916



00E830



# Inverse Universe

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



502E49



69335E



502E38



292528



690053

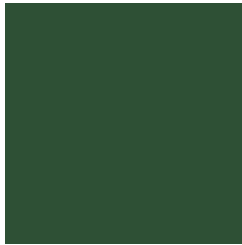


E800B8



# Previews

## White Background



This preview shows how the Hex color 2E5035 looks on a white background.

## Color Contrast Check

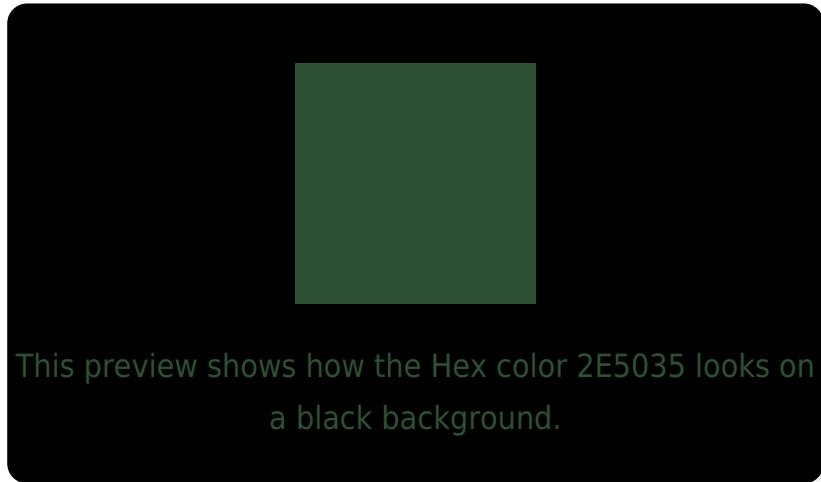
Large Text (above 18pt) WCAG AA ✓ Pass

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

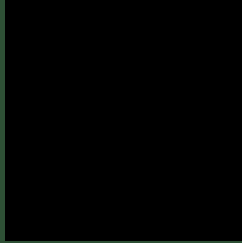
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E5035 Background



This preview shows how black text looks on a background with the Hex color 2E5035.



This preview shows how white text looks on a background with the Hex color 2E5035.

# 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](#).

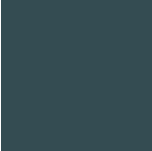
## Dichromacy



**Original Color**  
2E5035

**Protanopia**  
4E4832

**Deuteranopia**  
554537



**Tritanopia**  
344C52

# Trichromacy



**Original Color**  
2E5035

**Protanomaly**  
424B33

**Deuteranomaly**  
474936

**Tritanomaly**  
324D47

# Monochromacy



**Original Color**  
2E5035

**Achromatopsia**  
434343

**Achromatomaly**  
3B483E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E5035 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 #2E5035 looks like.

```
.text, #text, p{  
    color:#2E5035  
}
```

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 #2E5035 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E5035
}
```

## Border

The CSS property to change the border of an element to Hex 2E5035 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
#2E5035 }
```

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

```
.border{ border-color:#2E5035 }
```

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

Here you see how a box with a 4 pixel #2E5035 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E5035; -webkit-box-shadow:4px 4px  
4px 4px #2E5035; box-shadow:4px 4px 4px  
4px #2E5035 }
```

# Background

The CSS property to change the background color of an element to Hex 2E5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E5035 }
```

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

```
.background{ background-color:#2E5035 }
```

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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