

# Converting Colors

Hex(2E6342)

Have a look what the booklet for  
Hex(2E6342) contains.

<b>Hex(2E6342)</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(2E6342)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E6342
RGB	46, 99, 66
RGB Percent	18%, 39%, 26%
CMY	0.8196, 0.6118, 0.7412
CMYK	0.54, 0.00, 0.33, 0.61
HSL	143°, 37%, 28%
HSV	143°, 54%, 39%
XYZ	6.5719, 9.8979, 6.7184
YIQ	79.3910, -20.9950, -21.4990

# Conversions

## Conversions Part 2

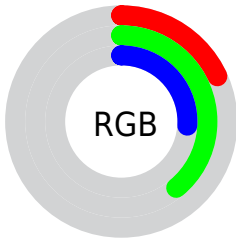
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 84, 99
Decimal	3040066
CIE Lab	37.66, -26.07, 13.48
CIE LCh	38, 29.347, 152.648
Yxy	9.8979, 0.2834, 0.4269
Android (android.graphics.Color)	4281230146 (0xFF2E6342)
YUV	79.3910, -6.6018, -29.2839
Hunter-Lab	31.4609, -17.7693, 9.3614




# Details

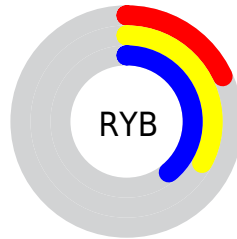
The Hex color **2E6342** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **632E4F**, and the grayscale version is **4F4F4F**.




A 20% lighter version of the original color is **609672**, and **003417** is the 20% darker color. If you saturate the color by 10%, you get **24633C**, and if you desaturate by 10%, it is **386348**.

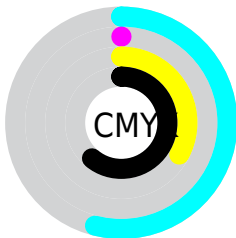
# Distribution







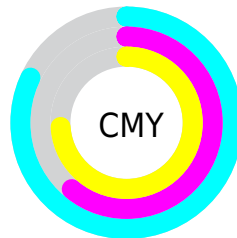
-  Red (18%)
-  Green (39%)
-  Blue (26%)






-  Red (18%)
-  Yellow (33%)
-  Blue (39%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (33%)
-  Black (61%)



-  Cyan (82%)
-  Magenta (61%)
-  Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E6342 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 2E6342 by changing the saturation by 10% instead.





2E6342



2E6342

FFFFFF



144B2C



609672



003417



7AB18C



002000



94CDA6



000000



B0E9C1



CCFFDD



E8FFFA



2E6342



2E6342



24633C



386348

■ 1A6336

■ 42634E

■ 106330

■ 4C6354

■ 066329

■ 56635B

■ 006325

■ 606361

■ 696367

■ 73636D

■ 7D6373

■ 876379

# Harmonies

## Analogous

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



4C5F2F



2E6342



00655A

# Triad

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



2E6342



355A88



844840

# Complementary

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



2E6342



632E4F

# 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.



844557



2E6342



5D5281

# Square

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



2E6342



006182



78496F



78502F

# Rectangle

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



2E6342



00656A



78496F



864648



# Sweetspot

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



2E6342



6B8073



50632E



344038



BFBFBF



404040



# Same Dimension

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



2E6342



2E804D



2E635C



2C302D



00702A



00F05A



# Inverse Universe

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



632E4F



802E61



632E35



302C2F



700046

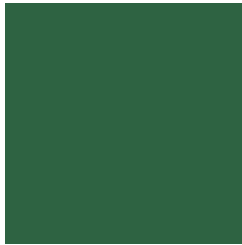


F00095



# Previews

## White Background



This preview shows how the Hex color 2E6342 looks on a white background.

## Color Contrast Check

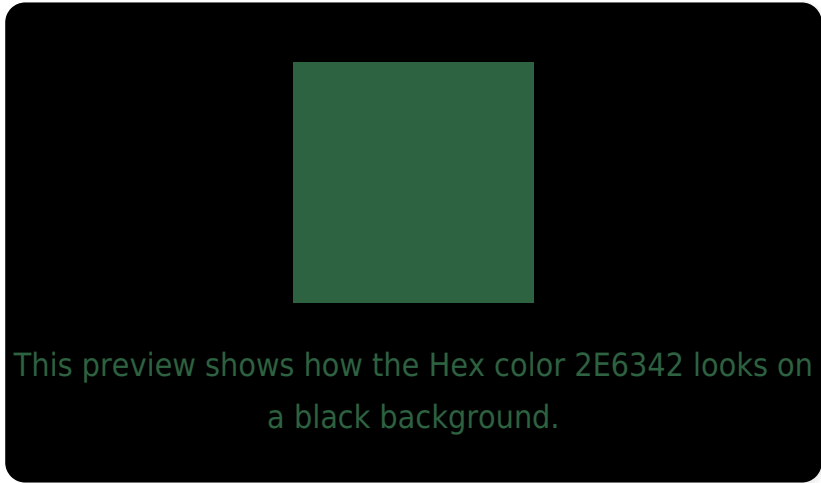
Large Text (above 18pt) WCAG AA ✓ Pass

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

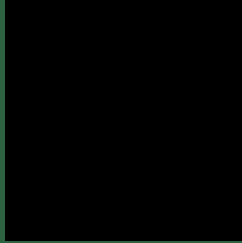
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E6342 Background



This preview shows how black text looks on a background with the Hex color 2E6342.



This preview shows how white text looks on a background with the Hex color 2E6342.

# 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**  
2E6342

**Protanopia**  
5F583D

**Deuteranopia**  
675545



**Tritanopia**  
385F66

# Trichromacy



**Original Color**  
2E6342

**Protanomaly**  
4D5C3F

**Deuteranomaly**  
525A44

**Tritanomaly**  
346059

# Monochromacy



**Original Color**  
2E6342

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
43564A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E6342 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 #2E6342 looks like.

```
.text, #text, p{  
    color:#2E6342  
}
```

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 #2E6342 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E6342
}
```

## Border

The CSS property to change the border of an element to Hex 2E6342 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
#2E6342 }
```

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

```
.border{ border-color:#2E6342 }
```

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

Here you see how a box with a 4 pixel #2E6342 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E6342; -webkit-box-shadow:4px 4px  
4px 4px #2E6342; box-shadow:4px 4px 4px  
4px #2E6342 }
```

# Background

The CSS property to change the background color of an element to Hex 2E6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E6342 }
```

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

```
.background{ background-color:#2E6342 }
```

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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