

# Converting Colors

Hex(2E4A4A)

Have a look what the booklet for  
Hex(2E4A4A) contains.

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# Color

**Hex(2E4A4A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E4A4A
RGB	46, 74, 74
RGB Percent	18%, 29%, 29%
CMY	0.8196, 0.7098, 0.7098
CMYK	0.38, 0.00, 0.00, 0.71
HSL	180°, 23%, 24%
HSV	180°, 38%, 29%
XYZ	4.8115, 5.9728, 7.3778
YIQ	65.6280, -16.6880, -5.9360

# Conversions

## Conversions Part 2

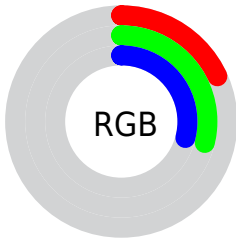
Format	Color
<b>R<sub>YB</sub></b>	46, 60, 74
Decimal	3033674
CIE Lab	29.34, -10.48, -3.36
CIE LCh	29, 11.009, 197.758
Yxy	5.9728, 0.2649, 0.3289
Android (android.graphics.Color)	4281223754 (0xFF2E4A4A)
YUV	65.6280, 4.1274, -17.2138
Hunter-Lab	24.4393, -7.6264, -0.7911

# Details

The Hex color **2E4A4A** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4A2E2E**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **5D7B7B**, and **021E1E** is the 20% darker color. If you saturate the color by 10%, you get **274A4A**, and if you desaturate by 10%, it is **354A4A**.

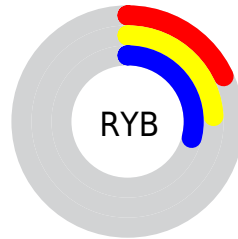
# Distribution



Red (18%)

Green (29%)

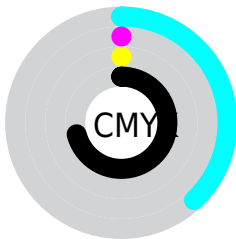
Blue (29%)



Red (18%)

Yellow (24%)

Blue (29%)

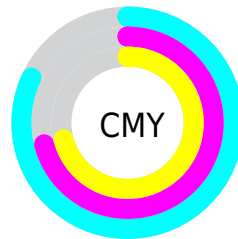


Cyan (38%)

Magenta (0%)

Yellow (0%)

Black (71%)



Cyan (82%)

Magenta (71%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E4A4A 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 2E4A4A by changing the saturation by 10% instead.





2E4A4A



2E4A4A

FFFFFF



173333



5D7B7B



021E1E



779594



000005



91AFAF



000000



ABCBCA



C7E7E6



E3FFFF



2E4A4A



2E4A4A



274A4A



354A4A

■ 1F4A4A

■ 3D4A4A

■ 184A4A

■ 444A4A

■ 104A4A

■ 4C4A4A

■ 094A4A

■ 534A4A

■ 024A4A

■ 5A4A4A

■ 004A4A

■ 624A4A

■ 694A4A

■ 714A4A

# Harmonies

## Analogous

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



344A41



2E4A4A



2F4951

# Triad

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



2E4A4A



4D4151



4F4335

# Complementary

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



2E4A4A



4A2E2E

# 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.



554139



2E4A4A



543F49

# Square

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



2E4A4A



424455



573F40



464635

# Rectangle

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



2E4A4A



344855



573F40



514236



# Sweetspot

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



2E4A4A



566161



2E4A2E



2A3030



B0B0B0



303030



# Same Dimension

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



2E4A4A



356161



2E3C4A



222626



006666



00E6E6



# Inverse Universe

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



4A2E4A



613561



4A3C2E



262226



660066

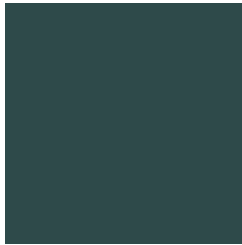


E600E6



# Previews

## White Background



This preview shows how the Hex color 2E4A4A 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

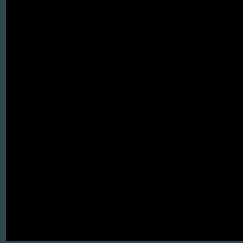
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E4A4A Background



This preview shows how black text looks on a background with the Hex color 2E4A4A.



This preview shows how white text looks on a background with the Hex color 2E4A4A.

# 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](#).

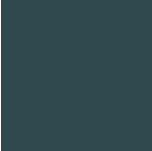
## Dichromacy



**Original Color**  
2E4A4A

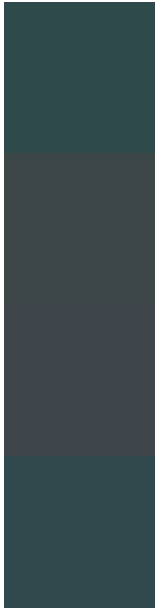
**Protanopia**  
464547

**Deuteranopia**  
49434B



**Tritanopia**  
2F494F

# Trichromacy



**Original Color**

2E4A4A

**Protanomaly**

3D4748

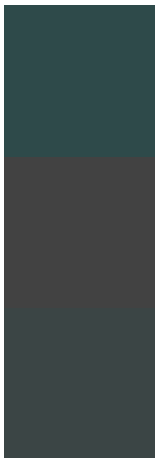
**Deuteranomaly**

3F464B

**Tritanomaly**

2F494D

# Monochromacy



**Original Color**

2E4A4A

**Achromatopsia**

424242

**Achromatomaly**

3B4545

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E4A4A 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 #2E4A4A looks like.

```
.text, #text, p{  
    color:#2E4A4A  
}
```

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 #2E4A4A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E4A4A
}
```

## Border

The CSS property to change the border of an element to Hex 2E4A4A 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
#2E4A4A }
```

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

```
.border{ border-color:#2E4A4A }
```

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

Here you see how a box with a 4 pixel #2E4A4A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E4A4A; -webkit-box-shadow:4px 4px  
4px 4px #2E4A4A; box-shadow:4px 4px 4px  
4px #2E4A4A }
```

# Background

The CSS property to change the background color of an element to Hex 2E4A4A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E4A4A }
```

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

```
.background{ background-color:#2E4A4A }
```

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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