

# Converting Colors

Hex(2E4640)

Have a look what the booklet for  
Hex(2E4640) contains.

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# Color

**Hex(2E4640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E4640
RGB	46, 70, 64
RGB Percent	18%, 27%, 25%
CMY	0.8196, 0.7255, 0.7490
CMYK	0.34, 0.00, 0.09, 0.73
HSL	165°, 21%, 23%
HSV	165°, 34%, 27%
XYZ	4.2423, 5.3313, 5.6559
YIQ	62.1400, -12.3780, -6.9540

# Conversions

## Conversions Part 2

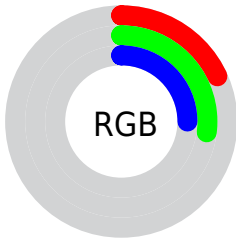
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 60, 70
Decimal	3032640
CIE <sub>Lab</sub>	27.66, -10.82, 0.65
CIE <sub>LCh</sub>	28, 10.842, 176.566
Yxy	5.3313, 0.2786, 0.3501
Android (android.graphics.Color)	4281222720 (0xFF2E4640)
YUV	62.1400, 0.9170, -14.1548
Hunter-Lab	23.0897, -7.6109, 1.6393

# Details

The Hex color **2E4640** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **462E34**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **5D7670**, and **001B16** is the 20% darker color. If you saturate the color by 10%, you get **27463E**, and if you desaturate by 10%, it is **354642**.

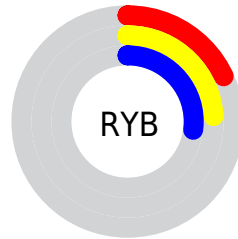
# Distribution



Red (18%)

Green (27%)

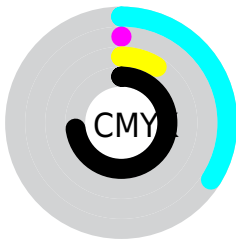
Blue (25%)



Red (18%)

Yellow (24%)

Blue (27%)

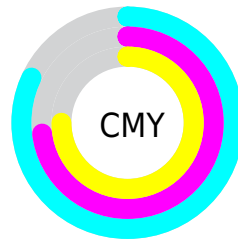


Cyan (34%)

Magenta (0%)

Yellow (9%)

Black (73%)



Cyan (82%)

Magenta (73%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E4640 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 2E4640 by changing the saturation by 10% instead.



■ 2E4640

■ 2E4640

FFFFFF

■ 18302A

■ 5D7670

■ 001B16

■ 769089

■ 000000

■ 90ABA3

■ AAC6BE

■ C6E2DA

■ E2FFF7

FEFFFF

■ 2E4640

■ 2E4640

■ 27463E

■ 354642

■ 20463D

■ 3C4644

■ 19463B

■ 434645

■ 124639

■ 4A4647

■ 0B4637

■ 514649

■ 044636

■ 58464B

■ 004635

■ 5F464C

■ 66464E

■ 6D4650

# Harmonies

## Analogous

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



364538



2E4640



2A4648

# Triad

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



2E4640



413F50



4F3E34

# Complementary

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



2E4640



462E34

# 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.



523C3A



2E4640



4B3D4B

# Square

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



2E4640



364252



513B43



494031

# Rectangle

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



2E4640



2B454D



513B43



513D36



# Sweetspot

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



2E4640



535C5A



34462E



282E2D



ADADAD



2E2E2E



# Same Dimension

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



2E4640



365C52



2E4046



202423



00634B



00E3AA



# Inverse Universe

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



462E34



5C3640



46342E



242021



630019



E30039



# Previews

## White Background



This preview shows how the Hex color 2E4640 looks on a white background.

## Color Contrast Check

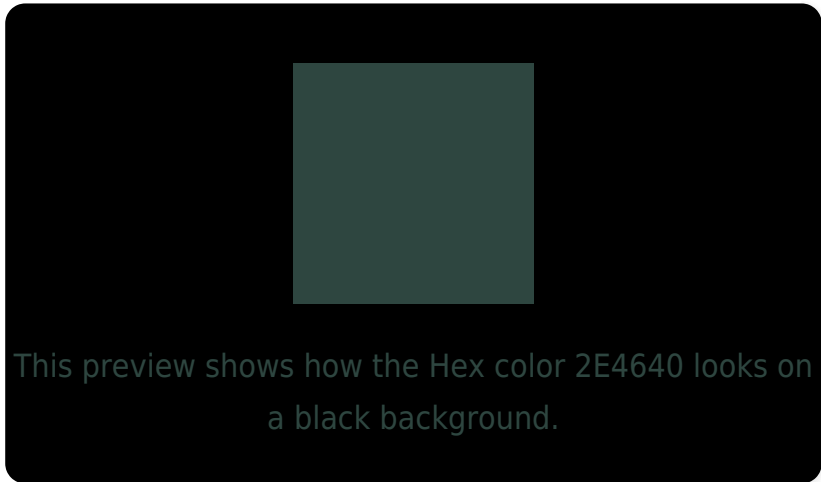
Large Text (above 18pt) WCAG AA ✓ Pass

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

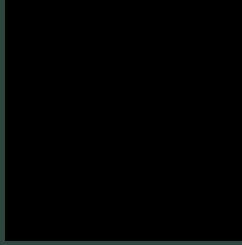
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E4640 Background



This preview shows how black text looks on a background with the Hex color 2E4640.



This preview shows how white text looks on a background with the Hex color 2E4640.

# 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](#).

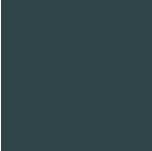
## Dichromacy



**Original Color**  
2E4640

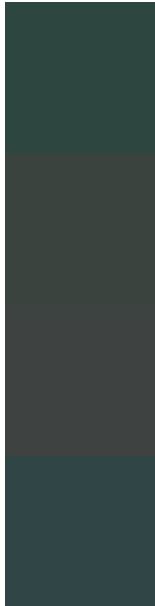
**Protanopia**  
43413D

**Deuteranopia**  
473F41



**Tritanopia**  
30454A

# Trichromacy



**Original Color**  
2E4640

**Protanomaly**  
3B433E

**Deuteranomaly**  
3E4241

**Tritanomaly**  
2F4546

# Monochromacy



**Original Color**  
2E4640

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
38413F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E4640 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 #2E4640 looks like.

```
.text, #text, p{  
    color:#2E4640  
}
```

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 #2E4640 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E4640
}
```

## Border

The CSS property to change the border of an element to Hex 2E4640 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
#2E4640 }
```

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

```
.border{ border-color:#2E4640 }
```

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

Here you see how a box with a 4 pixel #2E4640 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E4640; -webkit-box-shadow:4px 4px  
4px 4px #2E4640; box-shadow:4px 4px 4px  
4px #2E4640 }
```

# Background

The CSS property to change the background color of an element to Hex 2E4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E4640 }
```

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

```
.background{ background-color:#2E4640 }
```

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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