

# Converting Colors

Hex(2E4045)

Have a look what the booklet for  
Hex(2E4045) contains.

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# Color

**Hex(2E4045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E4045
RGB	46, 64, 69
RGB Percent	18%, 25%, 27%
CMY	0.8196, 0.7490, 0.7294
CMYK	0.33, 0.07, 0.00, 0.73
HSL	193°, 20%, 23%
HSV	193°, 33%, 27%
XYZ	4.0343, 4.6773, 6.3204
YIQ	59.1880, -12.3330, -2.2610

# Conversions

## Conversions Part 2

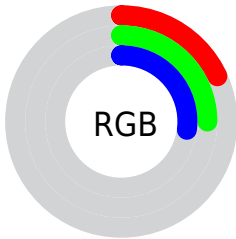
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 56, 69
Decimal	3031109
CIE Lab	25.79, -5.74, -5.38
CIE LCh	26, 7.864, 223.152
Yxy	4.6773, 0.2684, 0.3112
Android (android.graphics.Color)	4281221189 (0xFF2E4045)
YUV	59.1880, 4.8373, -11.5659
Hunter-Lab	21.6271, -4.5502, -2.1882

# Details

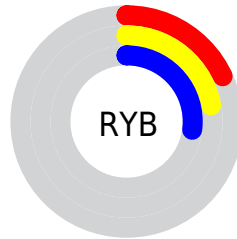
The Hex color **2E4045** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45332E**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **5D7075**, and **00161A** is the 20% darker color. If you saturate the color by 10%, you get **273F45**, and if you desaturate by 10%, it is **354245**.

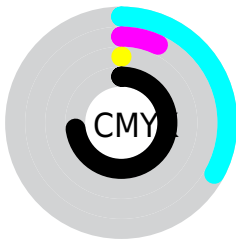
# Distribution



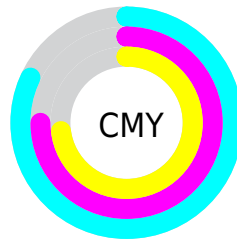
- Red (18%)
- Green (25%)
- Blue (27%)



- Red (18%)
- Yellow (22%)
- Blue (27%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (73%)



- Cyan (82%)
- Magenta (75%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E4045 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 2E4045 by changing the saturation by 10% instead.



■ 2E4045

■ 2E4045

FFFFFF

■ 182A2F

■ 5D7075

■ 00161A

■ 76898F

■ 000000

■ 8FA3A9

■ AABEC4

■ C5DAE0

■ E1F7FD

FFFFFF

■ 2E4045

■ 2E4045

■ 273F45

■ 354245

■ 203D45

■ 3C4345

■ 193C45

■ 434545

■ 123A45

■ 4A4645

■ 0C3945

■ 514745

■ 053745

■ 574945

■ 003645

■ 5E4A45

■ 654C45

■ 6C4E45

# Harmonies

## Analogous

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



2E4140



2E4045



333F48

# Triad

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



2E4045



473941



3F3E31

# Complementary

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



2E4045



45332E

# 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.



453C32



2E4045



4A393B

# Square

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



2E4045



413B46



493A35



383F34

# Rectangle

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



2E4045



373D49



493A35



413D31



# Sweetspot

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



2E4045



505759



2E4533



282D2E



ADADAD



2E2E2E



# Same Dimension

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



2E4045



365159



2E3545



202324



004E63



00B2E3



# Inverse Universe

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



452E40



593651



453E2E



242023



63004E

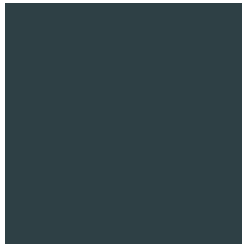


E300B2



# Previews

## White Background



This preview shows how the Hex color 2E4045 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

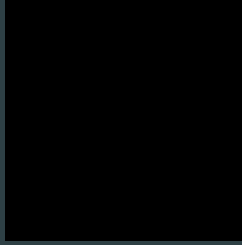
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E4045 Background



This preview shows how black text looks on a background with the Hex color 2E4045.

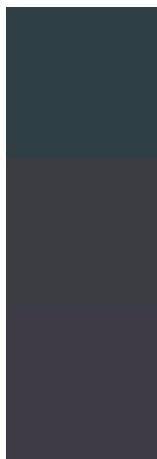


This preview shows how white text looks on a background with the Hex color 2E4045.

# 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**  
2E4045

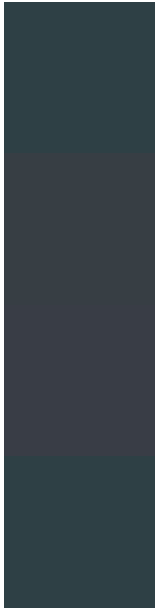
**Protanopia**  
3C3D43

**Deuteranopia**  
3F3B46



**Tritanopia**  
2E4045

# Trichromacy



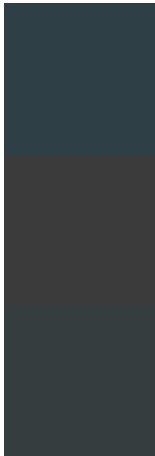
**Original Color**  
2E4045

**Protanomaly**  
373E44

**Deuteranomaly**  
393D46

**Tritanomaly**  
2E4045

# Monochromacy



**Original Color**  
2E4045

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
363D3F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E4045 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 #2E4045 looks like.

```
.text, #text, p{  
    color:#2E4045  
}
```

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 #2E4045 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E4045
}
```

## Border

The CSS property to change the border of an element to Hex 2E4045 is called "border". The border property can be set on classes, ids or directly on the HTML element.

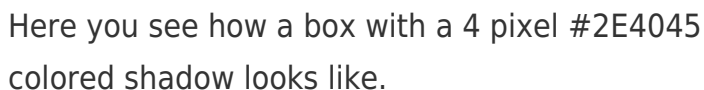
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2E4045 }
```

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

```
.border{ border-color:#2E4045 }
```

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



Here you see how a box with a 4 pixel #2E4045 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E4045; -webkit-box-shadow:4px 4px  
4px 4px #2E4045; box-shadow:4px 4px 4px  
4px #2E4045 }
```

# Background

The CSS property to change the background color of an element to Hex 2E4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E4045 }
```

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

```
.background{ background-color:#2E4045 }
```

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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