

# Converting Colors

Hex(23484E)

Have a look what the booklet for  
Hex(23484E) contains.

<b>Hex(23484E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(23484E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23484E
RGB	35, 72, 78
RGB Percent	14%, 28%, 31%
CMY	0.8627, 0.7176, 0.6941
CMYK	0.55, 0.08, 0.00, 0.69
HSL	188°, 38%, 22%
HSV	188°, 55%, 31%
XYZ	4.3856, 5.5421, 8.0463
YIQ	61.6210, -23.9780, -5.9780

# Conversions

## Conversions Part 2

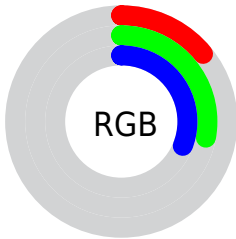
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 55, 78
Decimal	2312270
CIE Lab	28.23, -11.30, -7.68
CIE LCh	28, 13.657, 214.198
Yxy	5.5421, 0.2440, 0.3083
Android (android.graphics.Color)	4280502350 (0xFF23484E)
YUV	61.6210, 8.0748, -23.3466
Hunter-Lab	23.5417, -7.9447, -3.7855

# Details

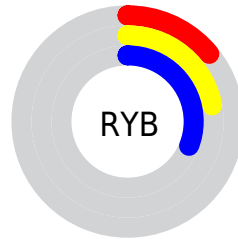
The Hex color **23484E** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4E2923**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **54797F**, and **001D22** is the 20% darker color. If you saturate the color by 10%, you get **1B474E**, and if you desaturate by 10%, it is **2B494E**.

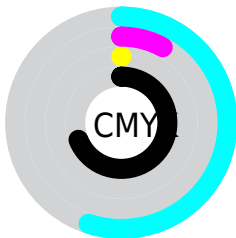
# Distribution



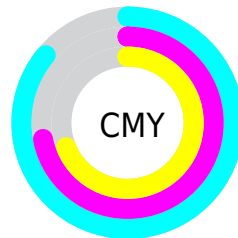
- Red (14%)
- Green (28%)
- Blue (31%)



- Red (14%)
- Yellow (22%)
- Blue (31%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (69%)



- Cyan (86%)
- Magenta (72%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23484E 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 23484E by changing the saturation by 10% instead.





23484E



23484E

FFFFFF



093137



54797F



001D22



6D9299



00000B



87ADB4



000000



A1C8CF



BDE4EB



D9FFFF



F6FFFF



23484E



23484E

■ 1B474E

■ 2B494E

■ 13464E

■ 334A4E

■ 0C454E

■ 3A4B4E

■ 04444E

■ 424C4E

■ 00434E

■ 4A4D4E

■ 524F4E

■ 5A504E

■ 61514E

■ 69524E

# Harmonies

## Analogous

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



274844



23484E



2A4655

# Triad

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



23484E



513C4C



49422E

# Complementary

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



23484E



4E2923

# 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.



523F30



23484E



573B41

# Square

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



23484E



463F54



573C37



3D4631

# Rectangle

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



23484E



334457



573C37



4C412E



# Sweetspot

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



23484E



556466



234E29



293233



B3B3B3



333333



# Same Dimension

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



23484E



235D66



23334E



222626



005866



00C5E6



# Inverse Universe

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



4E2348



66235D



4E3E23



262226



660058

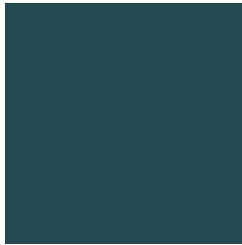


E600C5



# Previews

## White Background



This preview shows how the Hex color 23484E looks on a white background.

## Color Contrast Check

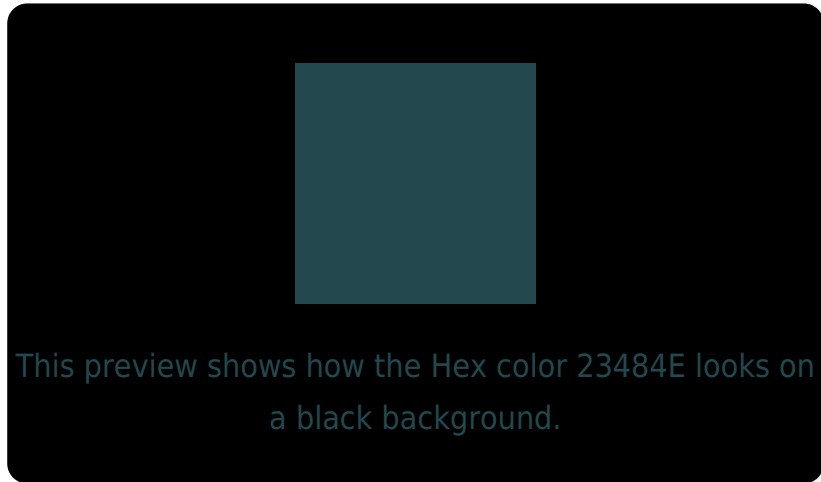
Large Text (above 18pt) WCAG AA ✓ Pass

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

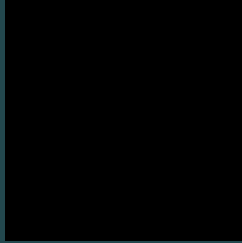
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23484E Background



This preview shows how black text looks on a background with the Hex color 23484E.



This preview shows how white text looks on a background with the Hex color 23484E.

# 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**  
23484E

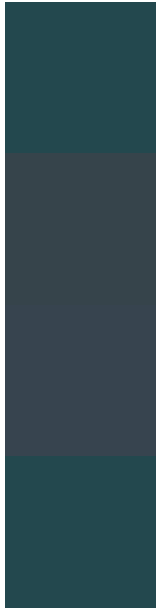
**Protanopia**  
41424A

**Deuteranopia**  
424150



**Tritanopia**  
23484E

# Trichromacy



**Original Color**  
23484E

**Protanomaly**  
36444B

**Deuteranomaly**  
37444F

**Tritanomaly**  
23484E

# Monochromacy



**Original Color**  
23484E

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
344244

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23484E 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 #23484E looks like.

```
.text, #text, p{  
    color:#23484E  
}
```

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 #23484E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23484E
}
```

## Border

The CSS property to change the border of an element to Hex 23484E 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
#23484E }
```

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

```
.border{ border-color:#23484E }
```

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

Here you see how a box with a 4 pixel #23484E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23484E; -webkit-box-shadow:4px 4px  
4px 4px #23484E; box-shadow:4px 4px 4px  
4px #23484E }
```

# Background

The CSS property to change the background color of an element to Hex 23484E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23484E }
```

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

```
.background{ background-color:#23484E }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor