

# Converting Colors

Hex(234D40)

Have a look what the booklet for  
Hex(234D40) contains.

<b>Hex(234D40)</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(234D40)

# Conversions

## Conversions Part 1

Format	Color
Hex	234D40
RGB	35, 77, 64
RGB Percent	14%, 30%, 25%
CMY	0.8627, 0.6980, 0.7490
CMYK	0.55, 0.00, 0.17, 0.70
HSL	161°, 37%, 22%
HSV	161°, 55%, 30%
XYZ	4.2724, 6.0352, 5.7902
YIQ	62.9600, -20.8590, -12.9470

# Conversions

## Conversions Part 2

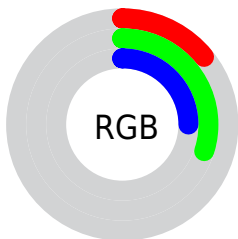
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 60, 77
Decimal	2313536
CIE <sub>Lab</sub>	29.50, -18.35, 3.24
CIE <sub>LCh</sub>	30, 18.630, 169.983
Yxy	6.0352, 0.2654, 0.3749
Android (android.graphics.Color)	4280503616 (0xFF234D40)
YUV	62.9600, 0.5127, -24.5209
Hunter-Lab	24.5667, -11.9487, 3.2224

# Details

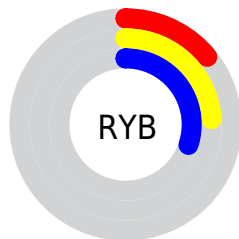
The Hex color **234D40** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4D2330**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **537E70**, and **002116** is the 20% darker color. If you saturate the color by 10%, you get **1B4D3E**, and if you desaturate by 10%, it is **2B4D42**.

# Distribution



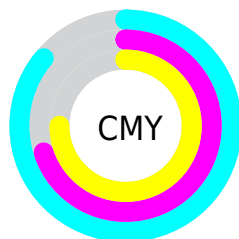
- Red (14%)
- Green (30%)
- Blue (25%)



- Red (14%)
- Yellow (24%)
- Blue (30%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (70%)



- Cyan (86%)
- Magenta (70%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 234D40 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 234D40 by changing the saturation by 10% instead.



■ 234D40

■ 234D40

FFFFFF

■ 0A362A

■ 537E70

■ 002116

■ 6C9889

■ 000000

■ 86B3A3

■ A1CFBE

■ BCEBDA

■ D8FFF7

■ F5FFFF

■ 234D40

■ 234D40

■ 1B4D3E

■ 2B4D42

■ 144D3B

■ 324D45

■ 0C4D39

■ 3A4D47

■ 044D36

■ 424D4A

■ 004D35

■ 4A4D4C

■ 514D4E

■ 594D51

■ 614D53

■ 684D55

# Harmonies

## Analogous

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



354B32



234D40



124D4F

# Triad

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



234D40



404461



5E3E30

# Complementary

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



234D40



4D2330

# 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.



623B3C



234D40



533E58

# Square

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



234D40



294862



5F3B4B



544329

# Rectangle

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



234D40



104C58



5F3B4B



603D34



# Sweetspot

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



234D40



54635F



304D23



293330



B3B3B3



333333



# Same Dimension

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



234D40



23634F



23454D



222625



006646



00E69E



# Inverse Universe

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



4D2330



632337



4D2B23



262224



660020

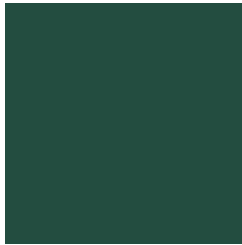


E60047



# Previews

## White Background



This preview shows how the Hex color 234D40 looks on a white background.

## Color Contrast Check

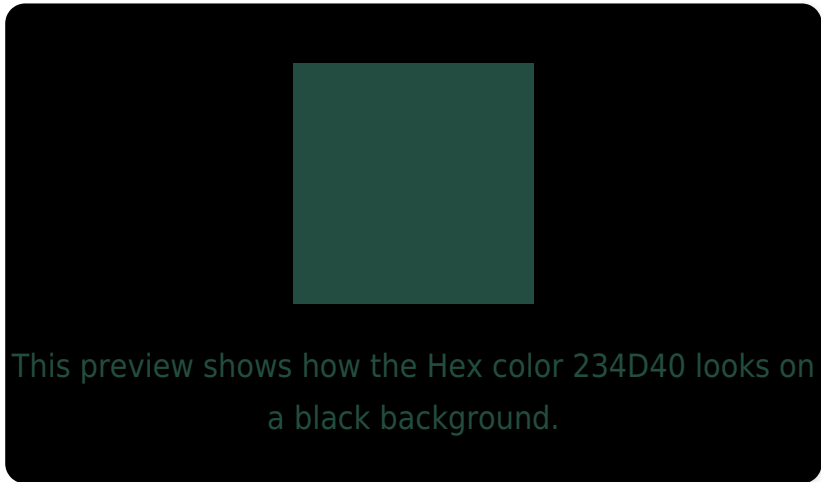
Large Text (above 18pt) WCAG AA ✓ Pass

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

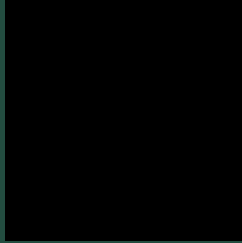
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 234D40 Background



This preview shows how black text looks on a background with the Hex color 234D40.



This preview shows how white text looks on a background with the Hex color 234D40.

# 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**  
234D40

**Protanopia**  
49453C

**Deuteranopia**  
4D4342



**Tritanopia**  
284B51

# Trichromacy



**Original Color**  
234D40

**Protanomaly**  
3B483D

**Deuteranomaly**  
3E4741

**Tritanomaly**  
264C4B

# Monochromacy



**Original Color**  
234D40

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
35443F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 234D40 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 #234D40 looks like.

```
.text, #text, p{  
    color:#234D40  
}
```

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 #234D40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #234D40
}
```

## Border

The CSS property to change the border of an element to Hex 234D40 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
#234D40 }
```

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

```
.border{ border-color:#234D40 }
```

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

Here you see how a box with a 4 pixel #234D40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #234D40; -webkit-box-shadow:4px 4px  
4px 4px #234D40; box-shadow:4px 4px 4px  
4px #234D40 }
```

# Background

The CSS property to change the background color of an element to Hex 234D40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#234D40 }
```

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

```
.background{ background-color:#234D40 }
```

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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