

# Converting Colors

Hex(234B4B)

Have a look what the booklet for  
Hex(234B4B) contains.

<b>Hex(234B4B)</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(234B4B)

# Conversions

## Conversions Part 1

Format	Color
Hex	234B4B
RGB	35, 75, 75
RGB Percent	14%, 29%, 29%
CMY	0.8627, 0.7059, 0.7059
CMYK	0.53, 0.00, 0.00, 0.71
HSL	180°, 36%, 22%
HSV	180°, 53%, 29%
XYZ	4.4792, 5.8975, 7.5589
YIQ	63.0400, -23.8400, -8.4800

# Conversions

## Conversions Part 2

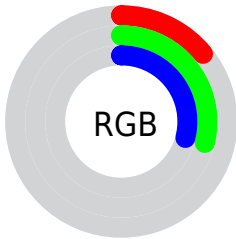
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 55, 75
Decimal	2313035
CIE Lab	29.15, -14.02, -4.35
CIE LCh	29, 14.678, 197.236
Yxy	5.8975, 0.2497, 0.3288
Android (android.graphics.Color)	4280503115 (0xFF234B4B)
YUV	63.0400, 5.8963, -24.5911
Hunter-Lab	24.2847, -9.5747, -1.4553




# Details

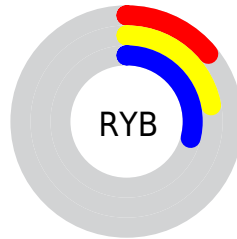
The Hex color **234B4B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4B2323**, and the grayscale version is **3F3F3F**.




A 20% lighter version of the original color is **547C7C**, and **001F1F** is the 20% darker color. If you saturate the color by 10%, you get **1C4B4B**, and if you desaturate by 10%, it is **2B4B4B**.

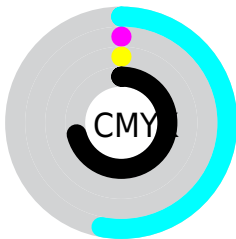
# Distribution







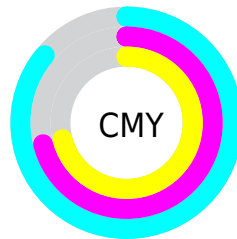
-  Red (14%)
-  Green (29%)
-  Blue (29%)






-  Red (14%)
-  Yellow (22%)
-  Blue (29%)



-  Cyan (53%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (71%)



-  Cyan (86%)
-  Magenta (71%)
-  Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 234B4B 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 234B4B by changing the saturation by 10% instead.



 234B4B

 234B4B


FFFFFF

 093434

 547C7C

 001F1F

 6D9695

 000007

 87B1B0

 000000

 A2CCCC

 BDE8E8

 D9FFFF

 F6FFFF

 234B4B

 234B4B

■ 1C4B4B

■ 2B4B4B

■ 144B4B

■ 324B4B

■ 0C4B4B

■ 3A4B4B

■ 054B4B

■ 414B4B

■ 004B4B

■ 494B4B

■ 504B4B

■ 574B4B

■ 5F4B4B

■ 674B4B

# Harmonies

## Analogous

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



2C4B3F



234B4B



244A55

# Triad

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



234B4B



4E4054



51422F

# Complementary

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



234B4B



4B2323

# 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.



593F35



234B4B



583D4A

# Square

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



234B4B



40445A



5C3D3F



46462F

# Rectangle

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



234B4B



2B4859



5C3D3F



544130



# Sweetspot

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



234B4B



516161



234B23



273030



B0B0B0



303030



# Same Dimension

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



234B4B



236161



23374B



222626



006666



00E6E6



# Inverse Universe

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



4B234B



612361



4B3723



262226



660066



E600E6



# Previews

## White Background



This preview shows how the Hex color 234B4B looks on a white background.

## Color Contrast Check

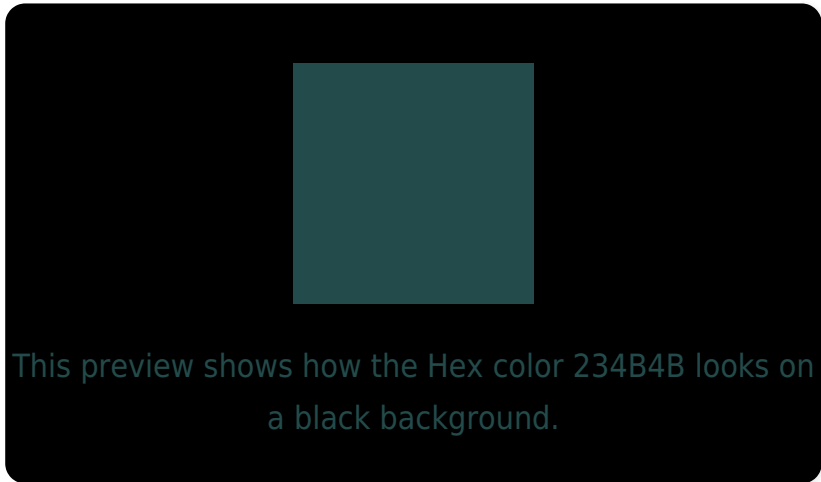
Large Text (above 18pt) WCAG AA ✓ Pass

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

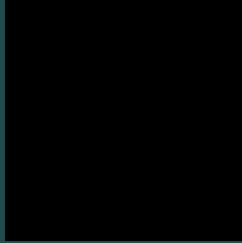
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 234B4B Background



This preview shows how black text looks on a background with the Hex color 234B4B.



This preview shows how white text looks on a background with the Hex color 234B4B.

# 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](#).

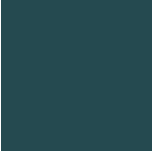
## Dichromacy



**Original Color**  
234B4B

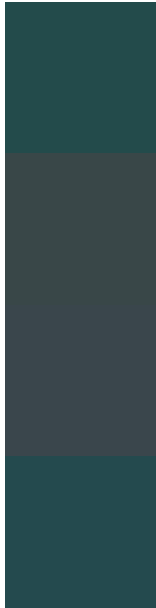
**Protanopia**  
454447

**Deuteranopia**  
47434D



**Tritanopia**  
254A50

# Trichromacy



**Original Color**  
234B4B

**Protanomaly**  
394748

**Deuteranomaly**  
3A464C

**Tritanomaly**  
244A4E

# Monochromacy



**Original Color**  
234B4B

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
354343

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 234B4B 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 #234B4B looks like.

```
.text, #text, p{  
    color:#234B4B  
}
```

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 #234B4B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #234B4B
}
```

## Border

The CSS property to change the border of an element to Hex 234B4B 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
#234B4B }
```

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

```
.border{ border-color:#234B4B }
```

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

Here you see how a box with a 4 pixel #234B4B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #234B4B; -webkit-box-shadow:4px 4px  
4px 4px #234B4B; box-shadow:4px 4px 4px  
4px #234B4B }
```

# Background

The CSS property to change the background color of an element to Hex 234B4B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#234B4B }
```

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

```
.background{ background-color:#234B4B }
```

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