

# Converting Colors

Hex(234944)

Have a look what the booklet for  
Hex(234944) contains.

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# Color

Hex(234944)

# Conversions

## Conversions Part 1

Format	Color
Hex	234944
RGB	35, 73, 68
RGB Percent	14%, 29%, 27%
CMY	0.8627, 0.7137, 0.7333
CMYK	0.52, 0.00, 0.07, 0.71
HSL	172°, 35%, 21%
HSV	172°, 52%, 29%
XYZ	4.1191, 5.5398, 6.3210
YIQ	61.0680, -21.0430, -9.6110

# Conversions

## Conversions Part 2

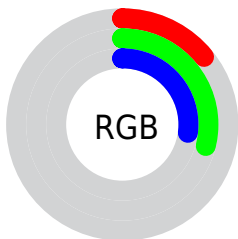
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 55, 73
Decimal	2312516
CIE Lab	28.22, -14.98, -1.20
CIE LCh	28, 15.026, 184.578
Yxy	5.5398, 0.2578, 0.3467
Android (android.graphics.Color)	4280502596 (0xFF234944)
YUV	61.0680, 3.4175, -22.8616
Hunter-Lab	23.5367, -9.9507, 0.5528

# Details

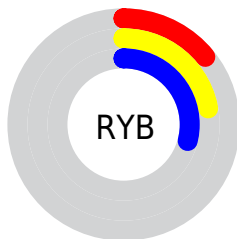
The Hex color **234944** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **492328**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **537A74**, and **001E19** is the 20% darker color. If you saturate the color by 10%, you get **1C4943**, and if you desaturate by 10%, it is **2A4945**.

# Distribution



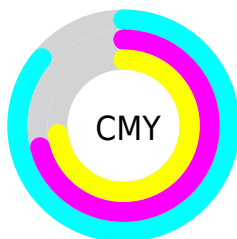
- Red (14%)
- Green (29%)
- Blue (27%)



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



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (71%)



- Cyan (86%)
- Magenta (71%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 234944 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 234944 by changing the saturation by 10% instead.



 234944

 234944

FFFFFF

 0A322E

 537A74

 001E19

 6C948E

 000000

 86AEA8

 A0CAC3

 BCE6DF

 D8FFFC

 F4FFFF

 234944

 234944

■ 1C4943

■ 2A4945

■ 144942

■ 324946

■ 0D4941

■ 394947

■ 064940

■ 404948

■ 00493F

■ 484949

■ 4F494A

■ 56494B

■ 5D494C

■ 65494D

# Harmonies

## Analogous

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



2F4838



234944



1E484F

# Triad

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



234944



473F56



533E2E

# Complementary

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



234944



492328

# 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.



593B36



234944



533B4D

# Square

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



234944



364359



593A41



49422B

# Rectangle

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



234944



224755



593A41



563D30



# Sweetspot

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



234944



4F5E5C



284923



27302F



B0B0B0



303030



# Same Dimension

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



234944



245E57



233B49



202423



006356



00E3C5



# Inverse Universe

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



492328



5E242C



493123



242021



63000D



E3001E



# Previews

## White Background



This preview shows how the Hex color 234944 looks on a white background.

## Color Contrast Check

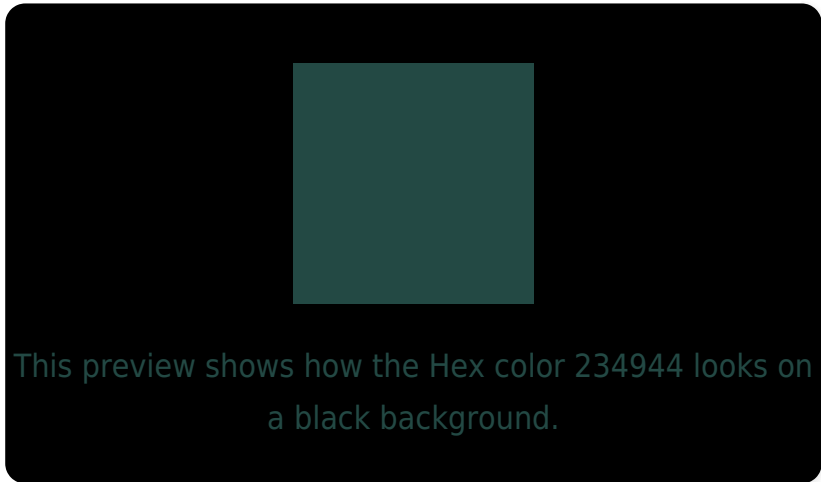
Large Text (above 18pt) WCAG AA ✓ Pass

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

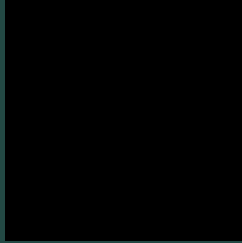
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 234944 Background



This preview shows how black text looks on a background with the Hex color 234944.



This preview shows how white text looks on a background with the Hex color 234944.

# 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](#).

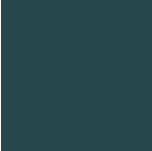
## Dichromacy



**Original Color**  
234944

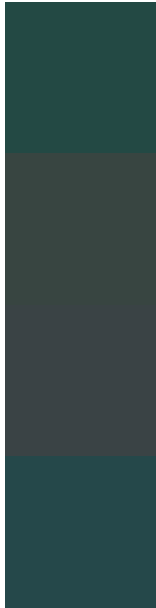
**Protanopia**  
444240

**Deuteranopia**  
474046



**Tritanopia**  
26484D

# Trichromacy



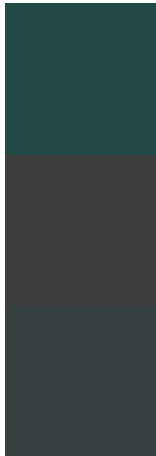
**Original Color**  
234944

**Protanomaly**  
384541

**Deuteranomaly**  
3A4345

**Tritanomaly**  
25484A

# Monochromacy



**Original Color**  
234944

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
344140

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 234944 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 #234944 looks like.

```
.text, #text, p{  
    color:#234944  
}
```

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 #234944 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #234944  
}
```

## Border

The CSS property to change the border of an element to Hex 234944 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  
#234944 }
```

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

```
.border{ border-color:#234944 }
```

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

Here you see how a box with a 4 pixel #234944 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #234944; -webkit-box-shadow:4px 4px  
4px 4px #234944; box-shadow:4px 4px 4px  
4px #234944 }
```

# Background

The CSS property to change the background color of an element to Hex 234944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#234944 }
```

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

```
.background{ background-color:#234944 }
```

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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